

20010119.qrp v02_n072.qrl.20010119

Date: Fri, 19 Jan 2001 19:03:06 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 2072

QRP-L Digest 2072

Topics covered in this issue include:

- 1) [88991] Re: OT: Junkyard Wars
by Tim Hodges <7twh@ttc-cmc.net>
- 2) [88992] Vertical Antenna
by "Karl F. Larsen" <k5di@zianet.com>
- 3) [88993] Re: OT: Junkyard Wars
by Jeff Stai WK6I <jstai@home.com>
- 4) [88994] Artificial Ground
by Lynn M Larson <green-beret@juno.com>
- 5) [88995] OT: junkyard wars
by David Heintzleman <pstrdave@kdsi.net>
- 6) [88996] Corrosion/Stranded Wire
by Bill ROWLETT <kc4atu@yahoo.com>
- 7) [88997] RE: 2001 ARRL Handbook
by "Mike D." <hrg@cifnet.com>
- 8) [88998] Making pads for ICs
by "Donny Sirait" <dsirait@centrin.net.id>
- 9) [88999] Re: OT: junkyard wars
by Mighty Mik <mightymik2@home.com>
- 10) [89000] Re: Making pads for ICs
by "Jim Kortge, K8IQY" <jokortge@prodigy.net>
- 11) [89001] RE: 80M loop working!
by "Bill Johnson" <b1ljohn@msn.com>
- 12) [89002] Re: "How to boost radio waves"
by George Doster <doster@nightowl.net>
- 13) [89003] Re: "How to boost radio waves"
by "Christopher Cox" <cobox@urec.net>
- 14) [89004] 2N2/40 Certificates -- Last Call
by PDouglas12@aol.com
- 15) [89005] Re: 70 foot pines
by tedkell@juno.com
- 16) [89006] Re: OT Re: Sad HP anti-gun
by "Mike Yetsko" <myetsko@insydesw.com>
- 17) [89007] Re: Vertical Antenna
by "bob baxter" <rbaxter@cybertrails.com>
- 18) [89008] Re: 2001 ARRL Handbook
by Dave Pomeroy <dave_pomeroy@voyager.net>
- 19) [89009] RE: Making pads for ICs

- by "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
- 20) [89010] ARRL Handbook
by Kenneth Hoglund <hoglund@wfu.edu>
 - 21) [89011] QRP-L Website updated
by John Wagner <john@neknetwork.com>
 - 22) [89012] Re: ARRL handbook 2001
by Ray Sills <raysills@1stconnect.com>
 - 23) [89013] The trouble with Truffles
by John Wagner <john@neknetwork.com>
 - 24) [89014] Re: Barnes
by "E. Roswell" <eroswell@monmouth.com>
 - 25) [89015] Help on Sound Card Problems
by flyer@value.net
 - 26) [89016] QRPp resources request
by Frank Valentine <valentinef@earthlink.net>
 - 27) [89017] RS digital soldering Iron
by "ZOOM" <kandRparker@sympatico.ca>
 - 28) [89018] Re: Barnes
by Tim Pettibone <k5oi@zianet.com>
 - 29) [89019] Re: OT: junkyard wars
by Bruce Muscolino <w6toy@erols.com>
 - 30) [89020] Re: "How to boost radio waves"
by Bruce Muscolino <w6toy@erols.com>
 - 31) [89021] Re: Corrosion/Stranded Wire
by "blinn" <blinn@smgazette.com>
 - 32) [89022] Q: Feel like an a**, paid \$24 for handbook.
by "Paul R. Valko" <prvalko@oakland.edu>
 - 33) [89023] Items for sale
by John Ragsdale <jr91901@navix.net>
 - 34) [89024] Re: Antenna Restricted
by wa4dou@excite.com
 - 35) [89025] Re: Q: Feel like an a**, paid \$24 for handbook.
by <baltimoremd@baltimoremd.com>
 - 36) [89026] Re: OT: Junkyard Wars
by Mighty Mik <mightymik2@home.com>
 - 37) [89027] FOX: Hunt#27 N9AW Prelim. Results
by "Jerry Scherkenbach" <jerrys@execpc.com>
 - 38) [89028] Cub Fox reports..
by Bryn Joynes <bryn@pcpractice.com>
 - 39) [89029] FOX: corrected log v.1.01 N7CQR
by Dan Presley <talljazz@teleport.com>
 - 40) [89030] Re: Barnes/ARRL Handbook
by Lee Bahr <w5drc@earthlink.net>
 - 41) [89031] Re: Making pads for ICs
by "Leon Heller" <leon_heller@hotmail.com>
 - 42) [89032] Re: SLV Comments - Was Current Draw in K1
by "Walt Amos" <k8cv@netzero.net>
 - 43) [89033] FT-817 - CW Filter Installed - Works Very Well Indeed!

by "Dave Fifield" <ad6a@earthlink.net>
44) [89034] Re: Vertical Antenna
by "Karl F. Larsen" <k5di@zianet.com>
45) [89035] Re: RS digital soldering Iron
by rich a <rckchp@home.com>
46) [89036] Handbooks, Morality, Barnes
by Kenneth Hoglund <hoglund@wfu.edu>
47) [89037] Re: Barnes
by Shepherd@aol.com
48) [89038] Re: Handbooks, Morality, Barnes
by K4IA@aol.com
49) [89039] K2 Building
by "Joel Kluender, NF9K" <nf9k@eudoramail.com>
50) [89040] Re: SLV Comments - Was Current Draw in K1
by david gauding <david.gauding@bbs.galilei.com>
51) [89041] Re: Interesting...
by david gauding <david.gauding@bbs.galilei.com>
52) [89042] Re: K2 Building
by Phil Wheeler <w7ox@earthlink.net>
53) [89043] Fw: Re: Barnes/ARRL Handbook
by w2xn@juno.com
54) [89044] Re: Barnes/ARRL Handbook
by "Brian" <brian@iquest.net>
55) [89045] Handbooks, Morality, Barnes
by Bcieslak@ra.rockwell.com
56) [89046] Re: K2 Building
by "Mike Yetsko" <myetsko@insydesw.com>
57) [89047] Re: Corrosion/Stranded Wire
by Steve Yates - AA5TB <aa5tb@arrl.net>
58) [89048] Re: Handbooks at B&N
by Harris Keith E CONT CNIN <harris_k@crane.navy.mil>
59) [89049] Patents
by Chris Trask <ctrask@primenet.com>
60) [89050] Re: FOX: Hunt#27 N9AW Prelim. Results
by Bruce Rattray <rattray@gpfn.sk.ca>
61) [89051] Re: Handbooks, Morality, Barnes
by "John L. Sielke" <w2agn@pobox.com>
62) [89052] Re: [fpqrp] New Ham Radio Icon
by Macstein@aol.com
63) [89053] Polyvaricon caps.
by "Juan Ferrari" <puntrad@usa.net>
64) [89054] Comming of Age?
by ed.kwik@delphiauto.com
65) [89055] [fpqrp] New Ham Radio Icon
by N10DL@aol.com
66) [89056] Q: Feel like an a**, paid \$24 for handbook.
by "Brad Hernlem" <alihernlem@hotmail.com>
67) [89057] Fw: [Elecraft] K2 Knobs

- by "DeniGm3skn" <deni@gm3skn.fsnet.co.uk>
- 68) [89058] The Manhattan Challenge, Jim Kortge's Part 12
by Jerry Parker <jparker@fix.net>
- 69) [89059] fpqrp Weekly Net
by N10DL@aol.com
- 70) [89060] Re: [fpqrp] New Ham Radio Icon
by Mark R Milburn <kq0i@juno.com>
- 71) [89061] Re: K2 Building
by Vance Huntsinger <vhuntsinger@iwic.net>
- 72) [89062] Re: [fpqrp] RE: The net Thanks to all
by N10DL@aol.com
- 73) [89063] Smk-1 Tuning
by Lynn M Larson <green-beret@juno.com>
- 74) [89064] Items for sale
by John Ragsdale <jr91901@navix.net>
- 75) [89065] 2N2/40 Certificates -- Last Call--extension until 4/1/01
by PDouglas12@aol.com
- 76) [89066] RE: Polyvaricon caps.
by "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
- 77) [89067] HA - CW Contest
by "Ed Tanton" <n4xy@att.net>
- 78) [89068] Re: 2001 ARRL Handbook
by Jeffrey L Greer <wd4et@juno.com>
- 79) [89069] Re: K2 Building
by Jeffrey L Greer <wd4et@juno.com>
- 80) [89070] Ten Tec ARGO II F/S
by Doug Bankston <dougbankston1@yahoo.com>
- 81) [89071] Re: K2 Building, tools and tips
by "Mike Yetsko" <myetsko@insydesw.com>
- 82) [89072] Transceivers for Backpacking.
by oxf01@maxmail.co.uk
- 83) [89073] K-2 Building
by "Joel Kluender, NF9K" <nf9k@eudoramail.com>
- 84) [89074] Looking for N7JI
by w4du@bellsouth.net
- 85) [89075] FS: OHR-400
by "Joel Kluender, NF9K" <nf9k@eudoramail.com>
- 86) [89076] re: antenna wire comparisons
by W2SH@aol.com
- 87) [89077] Re: K-2 Building
by W2BJ <barry@minsky.org>
- 88) [89078] Re: HandiHam Net was: [fpqrp] New Ham Radio Icon
by Macstein@aol.com
- 89) [89079] Re: Barnes/ARRL Handbook
by Gary Lee Phillips KA9NZI <ka9nzi@arrl.net>
- 90) [89080] Re: Barnes/ARRL Handbook
by "George, W5YR" <w5yr@att.net>
- 91) [89081] Re: "How to boost radio waves"

- by Euramcom <mel@euramcom.freeserve.co.uk>
- 92) [89082] Re: ARRL handbook 2001
by "Tony Fishpool" <g4wif@btinternet.com>
- 93) [89083] Re: Barnes & Noble Handbook Price
by "ZOOM" <kandRparker@sympatico.ca>
- 94) [89084] Re: Handbooks, Morality, Barnes
by Oscar A Hoyt <k5ubs@juno.com>
- 95) [89085] Re: Vertical Antenna
by "Karl F. Larsen" <k5di@zianet.com>

Date: Thu, 18 Jan 2001 17:00:26 -0700
From: Tim Hodges <7twh@ttc-cmc.net>
To: <qrp-1@Lehigh.EDU>
Subject: [88991] Re: OT: Junkyard Wars
Message-ID: <3.0.3.32.20010118170026.00692a9c@192.28.32.191>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

When I was a lad of 18, back in the early 80's, we had a cool contest at the Glacier-Waterton International hamfest, in Glacier Park. The oldtimers would pour out a junk box full of stuff and two teams would race to make a crystal controlled tube oscillator that had to be stable enough to not self oscillate (that is, when you pulled the crytsal the thing would have to die.)

Tim

At 04:37 PM 1/18/01 -0600, Andrew Reynolds wrote:

>

>

>On Thu, 18 Jan 2001, laura halliday wrote:

>

>> I guess I'm a dissenter on this one, but I'd rather they
>> didn't make any more.

>>

>> The reason: when I first saw Junkyard Wars about this time
>> last year it was fresh, new, innovative. My jaw sagged
>> over some of the things the teams were doing, I cheered
>> when things finally worked, and I howled over Robert
>> Llewellyn and Cathy Rogers. My favourite team were the
>> Brothers in Arms - military background, but with those
>> thick Northern Ireland accents I found myself wondering
>> just what army they worked for. :-)

>

>Odd, I caught the one they did making a cannon out of the junk pile,
>and they sounded a lot more like Scots than N. Irish.....
>>
>> Since then it's lost its freshness. It's lost the "what
>> the hell was that?!" quality that made it so much fun.
>> The U.S. remake (pretty lame, IMHO) can only make things
>> worse.
>
>Haven't seen any of the new ones, so thanks for the 'heads up'.
>Have to agree, the ones I've seen (I'm guessing they're the
>"early ones" you talked about) Were *very* good, and the contraptions
>they came up with were interesting and inspiring, with the innovation
>that it took to make them come together *and* work.
>As for the idea that was floated here that something like that might
>be a good idea for a hamfest draw, it might be doable, but getting
>a complete rig in the time that the average (or even not-so-average,
>as in the case of Dayton) hamfest seems to be a bit of a stretch.
>How about something more straight-forward, like a piece of simple
>test equipment, say a usable analog meter from parts? Might be
>something that could be done, and wouldn't need a huge junk box
>to get it done....
>>
>> Some things really are better in small quantities.
>
>Yeah, like "Who Wants to be a Millionaire". Once was *way* too many
>times.....;-)
>
>Later,
>Andy
>WD9IYT
>
>>
>> Laura Halliday VE7LDH "Que les nuages soient notre
>> Grid: CN89mg pied a terre..."
>> ICBM: 49 15.042 N 122 59.053 W - Hospital/Shafte
>>
>> -----
>> Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>.
>>
>
>
>

Date: Thu, 18 Jan 2001 17:04:13 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <qrp-1@lehigh.edu>
Subject: [88992] Vertical Antenna

Message-ID: <Pine.LNX.4.31.0101181650540.955-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have been building a portable 40 meter vertical ala January 2001 QST and I was very sure there ground method was faulty. But to digress a little, a 1/2 wave dipole has 70 ohms feed resistance at resonance.

So a 1/4 wave vertical should have 35 ohms at resonance. This info is very useful because you can always find the resonant frequency of the antenna and then measure resistance.

A typical 1/4 wave vertical has too few radials to give a low resistance ground so the feedpoint resistance is high, like 65 ohms. This means that the antenna's 35 is in series with grounds 30 ohms. 10 watts to this antenna will have about 5 watts radiated while the other 5 watts are lost to heat.

Using the ground method shown in QST gives 42 ohms total resistance so very little power in goes to heat. The thing works!

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Thu, 18 Jan 2001 16:06:00 -0800
From: Jeff Stai WK6I <jstai@home.com>
To: Peter_Simpson@ne.3com.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [88993] Re: OT: Junkyard Wars
Message-ID: <3A6784E8.EADC9218@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

very cool show! one of my rocketry acquaintances is on next week, can hardly wait to see how he does! (I'd rather be surprised ;-)

- j
--

jeff stai
WK6I DM13
NAR #21059 TRA #3356 L2

jstai@home.com / wk6i@arrl.net
ROC web page: <http://www.rocstock.org/>

Date: Thu, 18 Jan 2001 18:07:11 -0600
From: Lynn M Larson <green-beret@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [88994] Artificial Ground
Message-ID: <20010118.180729.-454825.0.green-beret@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Bob W8MCJ Wrote:

I have a new never used MFJ - 931 ARTIFICIAL GROUND for sale. New cost is \$89.95 for sale at \$ \$60 which includes shipping in US. I bought it to use at a new home but did not need it. It may help those who live in a Condo or Apartment. "It effectively places your rig near actual earth ground potential even if your rig is on the second floor or higher with no earth ground possible" Check the MFJ web page for a full description.

Do those things work very well? My shack is on the second story in our home and I have HORRIBLE RF interference:(
I had heard that the ground lead was the culprit, and that this little device might fix the problem. Also how do you receive on the same frequency that you are transmitting on with the SMK-1? I am fairly new to radio and am quite ignorant. Actully I've had my ticket since '96 but I operated for two months and got busy. I am now getting back into the hobby with a qrp perspective. I have my general class and hope to soon upgrade to extra. Thank you

KC5WUG

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<http://dl.www.juno.com/get/tagj>.

Date: Fri, 19 Jan 2001 00:13:15 +0000
From: David Heintzleman <pstrdave@kdsi.net>
To: qrp-1@Lehigh.EDU
Subject: [88995] OT: junkyard wars
Message-ID: <3A67869B.285FE120@kdsi.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

would someone please enlighten me what this thread has to do with radio?

Dave
K8BBM

Date: Thu, 18 Jan 2001 16:51:36 -0800 (PST)
From: Bill ROWLETT <kc4atu@yahoo.com>
To: qrp-l@lehigh.edu
Subject: [88996] Corrosion/Stranded Wire
Message-ID: <20010119005137.14147.qmail@web805.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Ok, in all of this discussion, the main problem I have with stranded wire, be it copper or steel or alum., is not the losses but rather the fact that you are using a bare wire. Use of insulated wire has two things going for it. The first is the lack of corrosion and the second, which I feel is more important, is the lack of static caused by the movement of the wire when the wind blows. Those of you using bare stranded wire, take notice the next windy day, more static. May not be a great amount, but it is there.

Also, the smaller size wire with black insulation will disappear against the sky for all practical purposes.

Just another thought on a subject with many directions in which to go.

Put up what you can as high as you can and have a ball.

73 Bill

Do You Yahoo!?
Get email at your own domain with Yahoo! Mail.
<http://personal.mail.yahoo.com/>

Date: Thu, 18 Jan 2001 18:22:08 -0600
From: "Mike D." <hrq@cifnet.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [88997] RE: 2001 ARRL Handbook
Message-ID: <000d01c081ad\$dba7b3a0\$7aad4ec6@bozo>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

FYI, the 2001 ARRL handbook is available from Paul Washa, W0TOK for \$23. He discounts all ARRL books and has MANY other titles in stock too. He and his wife travel the hamfest circuit, but you can also buy from them via mail order.

If anyone is interested, you can reach Paul at [mailto:w0tok@msn.com]. Paul is a nice guy, has a huge selection, discounts and provides good service.

Nope, I get nothing out of it... just a satisfied customer.

73 de Mike, N9BOR
FISTS MAC SMC SOC ZUT
<http://www.qsl.net/n9bor>
MAC <http://www.qsl.net/mac>

di dah dit - The only Roger Beep you'll ever need.
My designated driver is a 12BY7A.

Date: Fri, 19 Jan 2001 07:30:10 +0700
From: "Donny Sirait" <dsirait@centrin.net.id>
To: "Jim O Kortge K8IQY" <jokortge@prodigy.net>
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [88998] Making pads for ICs
Message-ID: <002b01c081af\$2e4975c0\$a5f892ca@donnysirait>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dear Jim & the QRP-1 gang,
I saw that you use a single pad with islands for IC
for the Manhattan style construction.
My question is how do you make those islands?
By cutting it?
Or is there any other method used for making pads
for ICs?

I am thinking of constructing a project with more IC pins using Manhattan style.

Thank you for reading and help.

vy 72 de YB1B0D
Donny
Bekasi Indonesia

Date: Thu, 18 Jan 2001 16:39:15 -0800
From: Mighty Mik <mightymik2@home.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [88999] Re: OT: junkyard wars
Message-ID: <5.0.0.25.0.20010118163337.021bb570@mail>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 12:13 AM 1/19/01 +0000, you wrote:
>would someone please enlighten me what this thread has to do with radio?
>Dave
>K8BBM

it's tangential ... (my spell checker came up with that spelling?) For instance...you have an Idea for yet another 40 meter 602 - 386 based rig, yet you know that 602s are in short if any supply, so where might you find one? How about that cell phone you saw for \$5 at the flea market? Would you have thought to look there? It's about scrounging and building, only it's mechanical, not electronic. Off Topic, but perhaps useful. (and perhaps even inspiring.)

Date: Thu, 18 Jan 2001 19:55:25 -0500
From: "Jim Kortge, K8IQY" <jokortge@prodigy.net>
To: "Donny Sirait" <yb1bod@arrl.net>
Cc: qrp-1@lehigh.edu
Subject: [89000] Re: Making pads for ICs
Message-ID: <5.0.0.25.1.20010118194957.00a28080@pop.prodigy.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 07:30 AM 1/19/01 +0700, you wrote:
>Dear Jim & the QRP-1 gang,
>I saw that you use a single pad with islands for IC

>for the Manhattan style construction.
>My question is how do you make those islands?
>By cutting it?

Donny,

Yes, that's exactly how the pad with islands are made. You can make the cuts with a hobby saw, musical instrument fret saw, or with a small milling burr in a drill press. The latter is how I made mine, using a discarded dental burr for the cutter.

>Or is there any other method used for making pads
>for ICs?
>I am thinking of constructing a project with more IC pins
>using Manhattan style.

Using the multi-island pad speeds up the construction, but one can also mount the socket on individual pads. I've done it that way many times too.

>Thank you for reading and help.

You bet. Hope you and the family are doing well. Glad you are looking at the IA QRP-10 info on the NorCal web page.

72 and kind regards my friend,

Jim, K8IQY

Date: Thu, 18 Jan 2001 19:18:45 -0600
From: "Bill Johnson" <b1ljohn@msn.com>
To: <w6toy@erols.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [89001] RE: 80M loop working!
Message-ID: <LPBBIJFJHHMCDNHIEMMCKEBFDNAA.b1ljohn@msn.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Bruce,

I am responding to your comments so you know your shared thoughts are well

supported.

This is my favorite band, and I mostly rag chew and listen. I have enjoyed this band considerably for the last 8 years, all of which have been QRP. I am limited with a loop on the roof under the shingles, it's only 135' but it does well on all bands considering its relatively poor location. I have learned not to say anything about QRP to the HRO guys. Some of them are quite high and appear self proclaimed near the almighty! We who op QRP and QRPP know how it really works. If they would reduce power there would be so much more room!

Hope to see you on 75 one of these days.

72,

Bill

K9YEQ

b1ljohn@msn.com

MNQRP Club

K-2 (FT #35), FT 817, Rainbow Tuner, Norcal Paddle

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of Bruce Muscolino

..... I have been preaching the value of 80 meters for DX for about 5 or 6 years here. Mostly I have been met with silence. I have worked many countries on 80, admittedly in contests, but the log entries are still valid!

Date: Thu, 18 Jan 2001 19:30:07 -0600
From: George Doster <doster@nightowl.net>
To: qrp-1@Lehigh.EDU
Subject: [89002] Re: "How to boost radio waves"
Message-ID: <20010118193007.A1796@red.dog>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

All six of your listed polarizations are really some linear combination of two polarizations. I have now idea what the third polarization would be.

On Thu, Jan 18, 2001 at 05:08:50PM -0600, George, W5YR wrote:

> Got me curious, Dan . . .

>

> I know about horizontal polarization, vertical polariztion, slant/linear
> polarization, circular polarization, and elliptical polarization.

>

> What three of these are being processed?

>

> For HF, I would think that we would have not very much choice among
> these since even one-hop propagation usually manages to shift the
> polarization quite a bit.

>

> On the other hand, as so many of us experience during nearly every Fox
> Hunt, the time-varying performance of essentially linear horizontal and
> vertical antennas suggests that a lot could be done with computer
> processing that would beat my hand on the antenna switch! <:}

>

> Dual-diversity reception was widely used on RTTY circuits over the years
> to good advantage on HF circuits. I do not recall if these systems use
> polarization diversity as well as space diversity.

>

> 72/73, George W5YR - the Yellow Rose of Texas NETXQRP 6

> Fairview, TX 30 mi NE Dallas in Collin county QRP-L 1373

> Amateur Radio W5YR, in the 55th year and it just keeps getting better!

> Icom IC-756 PRO #02121 (9/00) Kachina #91900556 (12/99) IC-765 (6/90)

>

> Tayloe Dan-P26412 wrote:

> >

> > I wonder now if I got the right read on the article. That is the problem of
> > having a reporter trying to report a technical issue. Upon a second read,
> > what may be being done is to use the three different polarizations to send
> > three different signals to increase the throughput by 3x. The different
> > polarized signals are then sorted out at the receiver.

Date: Thu, 18 Jan 2001 20:32:22 -0500

From: "Christopher Cox" <cobox@urec.net>

To: <Dan.Tayloe@motorola.com>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>

Subject: [89003] Re: "How to boost radio waves"

Message-ID: <20010118202846.SM00106@CBX-NT>

MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

> signals from two crossed dipoles and a vertical to minimize HF fading due
to
> simple polarization roll.
>

Turnstile.

Date: Thu, 18 Jan 2001 20:41:41 EST
From: PDouglas12@aol.com
To: qrp-l@lehigh.edu
Subject: [89004] 2N2/40 Certificates -- Last Call
Message-ID: <da.124e059.2798f555@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi Gang,

This is the last call for a 2N2/40 "Certificates of Successful Completion."

As some of you may recall, I was privileged to build the second 2N2/40 with the help (ok, tutoring!) of Jim Kortge. I have issued about 20 certificates to people who have completed 2N2/40 rigs following publication of Jim's brilliant plans with Paul Harden's illustrations.

Anyway, if you have been building a 2N2/40, please get back at it and get it done. Get a photo, make a QSO, and let me know. My computer with the certificates on it has crashed once. While I have it working again for now, I think I am seeing a motherboard failure in the offing. I have moved the machine to a spare bedroom and moved a new big Dell into its place. But I don't plan to move the files pertaining to the 2N2 over to the new machine, and when it fails again, it will be submitted to the new junkyard show. So, as they say in advertising, this final offer is for a limited time only while supplies (and that dying computer BIOS) last--and only available, incidentally, to those who send me a SASE 8 1/2 x 11. Not green stamps--SASEs please.

72,

Preston WJ2V

Date: Thu, 18 Jan 2001 19:31:44 -0600
From: tedkell@juno.com
To: k3tks@u1.abs.net
Cc: qrp-1@Lehigh.EDU
Subject: [89005] Re: 70 foot pines
Message-ID: <20010118.200040.-325713.9.tedkell@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

As I recall, a couple of years ago there was an article in QST about the care of everyone's favorite antenna support, the tree in the yard. It might make some useful reading for this problem.

N3Ted

On Wed, 17 Jan 2001 19:12:44 -0500 (EST) George Gingell
<k3tks@u1.abs.net> writes:

>
> On Wed, 17 Jan 2001 K5BDZ@aol.com wrote:
>
> > Danny
> > Thanks for the great points
>
> > 1. It's better for the tree to screw in a lag bolt (with hook or
> eye) than
> > to wrap rope or wire around tree to hold pulley. The screw
> inserted in the
> > trunk is a "minor shock" to the tree, but the wrapped around rope
> / wire will
> > constrict the trunk growth in a matter of a few months and it will
> weaken /
> > cause problems to the trunk from that point into the future. (I
> don't want
> > to kill it or worse yet, have a high piece break off in a
> windstorm and fall
> > on my roof).
>
> This only confirms what I mentioned. That is why I suggested using
> the
> Losely wrapped #6 Insulated Ground wire "Slip Ring" It will work
> fine,
> but must be checked periodically to assure that it is not
> restricting "Growth".
>
> The Screw Eye is probably easier to use for securing the ropes and a

> better long term solution.
>
>
> > 2. I'm considering designing a simple "inverted L" PVC pull-thru
> rather than
> > a pulley to be attached from the high hook. Reasons: 1. Too
> many pullys
> > have a gap between the wheel and the frame, thus allowing ropes,
> etc to get
> > wedged in the gap, rendering it useless. 2. A PVC elbow should
> offer a
> > wider angle at the bend, thus lessening the stress on the rope at
> that point.
> > 3. A PVC elbow will allow for an additional "feed string" loop -
> to the
> > ground level - to be pulled alongside the rope so that in the
> event of a
> > broken rope, the feed-string loop can have another rope attached
> and
> > relatively easily fed thru the elbow (knot and all), thus saving
> another
> > climb up the tree.
> Your PVC Elbow sounds good. A wire Loop or Screw Eye will allow you
> to
> hang it from the tree hook nicely.
>
> It serves the same purpose as my Heavy duty Ceramic Insulators.
>
> Yes, if Pullys are used, it is very important to chose them wisely.
> The
> high quality "Marine" Pullys are worth the extra money. If they have
> enough gap to trap your rope, they are not satisfactory.
>
> >
> > and for esthetic purposes, grey covered wire antenna and dark
> (dacron) rope
> > down the trunk to keep questions from neighbors to a minimum.
>
> #14 Stranded, Insulated Electrical wire is reasonably priced at your
> local
> building supply (Home Depot, etc) Grey is perfect. I also have used
> multi
> color Stranded Teflon wire for No-See-em applications.
>
> Did i Mention that old garden hose buried between the house and the
> tree
> make a great RF Pipeline when coax feed is used? Might be good to
> put

> some Duct Seal in the ends to keep water out. (Ductseal is the Gray
> Clay
> like stuff that is used to plug holes around wires entering the
> house.)
> Should be available at home building supply.
>
> I also use a PVC Sleeve thru the cinderblock wall of the house for
> entrance feed lines. 1" Minimum size with Elbow facing down to keep
> water
> out of the house. (Duct seal to keep insects out).
>
>
>
> > Just a few thoughts. A little expense maybe, but in the overall
> scheme of
> > things not too bad. Besides, we're probably going to be here a
> while if our
> > last house stay is any indication (we moved in "temporarily" and
> left it 29
> > years later!)
> >
> > Thanks again everyone. It's really great to see all the
> experiences and
> > ideas flowing from this group!
> > Bill K5BDZ
> >
>
> Sir George, The First :^)
>
> 72 ES
> QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
> Former QRP A.R.C.I. Net Manager and Board of Director Member.
> Gingell & Company, Ltd. Small Business Telephone Systems
> Notary Public and Locksmith Services
> George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD
> 20904-7117
> Maryland Milliwatt Club QRP Reference Library, (301)572-6789
> Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP
> -
> Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904
> QRPea.A.
>
>
>

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<http://dl.www.juno.com/get/tagj>.

Date: Thu, 18 Jan 2001 21:08:49 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <wphinizy@filenet.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [89006] Re: OT Re: Sad HP anti-gun
Message-ID: <006c01c081bc\$dea58c80\$0600a8c0@dad>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: Phinizy, William <wphinizy@filenet.com>

> ..Now that I know that HP is/was anti-gun, I'll never go bowling again
and
> will steadfastly refuse to use their urinals..
>
> (see the cited story)
>
> W. H. Phinizy, K6WHP

Boy, I musta REALLY missed something!

Mike

Date: Thu, 18 Jan 2001 19:14:38 -0700
From: "bob baxter" <rbaxter@cybertrails.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [89007] Re: Vertical Antenna
Message-ID: <003701c081bd\$95c52060\$e4142aa2@bobbaxte>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Karl and group, You bet it works. I built one per QST instructions and it checks out good. The receive volume is down a little against the Gap (expected) but have had good reports on it. Plan to use it in FYB0.
Bob Baxter AA7EQ
Bisbee, Az.

>
>The thing works!
>
>Yours Truly,
>
> - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
>
>

Date: Thu, 18 Jan 2001 21:59:25 -0500
From: Dave Pomeroy <dave_pomeroy@voyager.net>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [89008] Re: 2001 ARRL Handbook
Message-ID: <3A67AD8D.9D89473E@voyager.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I bought one yesterday at the local B&N. It was marked \$32 and rang up as \$8.48 including tax. They had one more in stock. Great book even greater at \$8.00.

hattonte@gdls.com wrote:

> Barnes & Noble's website lists "the book" - but NOT at \$8 !!! I think
> somebody just got lucky. List price is \$32, and B&N offers a 20%
> discount.
>
> Terry
> W1QF

--
Dave Pomeroy K8DNP SouthWest Michigan

Date: Thu, 18 Jan 2001 22:01:11 -0500
From: "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
To: <dsirait@centrin.net.id>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [89009] RE: Making pads for ICs
Message-ID: <GCECIJFJPOHMCKACOA0BIEPCCAAA.jakecart@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Donny -- YB1B0D:

I mount 8-pin DIPS on a pad that is about 1' by 1/2" with 4 slots cut in it.
A picture of the pad is at URL:

<http://sites.netscape.net/jakeycarter/8pindip>

A picture of the Neophyte receiver I used the DIPs in is at URL:

<http://sites.netscape.net/jakeycarter/neophyte>

I cut the slots in the PC board with a Dremel tool with a small burring bit.
I tried those cutting wheels but didn't like dodging the flying debris when
the wheel broke.

I'd guess you could use this technique for DIPs of any size. I'd lay the IC
out on a piece of PC board and mark where the pins would be and then cut
between them.

Good Luck,

Jake - N4UY
Vienna, VA
(Wash DC suburbs)

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of
Donny Sirait
Sent: Thursday, January 18, 2001 7:30 PM
To: Low Power Amateur Radio Discussion
Subject: Making pads for ICs

Dear Jim & the QRP-1 gang,

I saw that you use a single pad with islands for IC
for the Manhattan style construction.
My question is how do you make those islands?
By cutting it?
Or is there any other method used for making pads
for ICs?
I am thinking of constructing a project with more IC pins
using Manhattan style.

Thank you for reading and help.

vy 72 de YB1B0D
Donny
Bekasi Indonesia

Date: Thu, 18 Jan 2001 22:07:57 -0500
From: Kenneth Hoglund <hoglund@wfu.edu>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [89010] ARRL Handbook
Message-ID: <3A67AF8D.173F9D65@wfu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Glad to see so many have also discovered this unannounced sale!

As far as I know, all local B&N stores simply use the ISBN number as the
stock number, i.e. my store simply scanned the barcoded number from the
back as printed by the ARRL.

The ISBN is 0-87259-186-7.

Should be able to call a local store, ask them to check inventory of
that number, and ask the current price. Mine was \$16 and I still think
it a great bargain---but \$8 is even better!

Good luck and 73

Ken KG4FGC

Date: Thu, 18 Jan 2001 22:12:48 -0500
From: John Wagner <john@neknetwork.com>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [89011] QRP-L Website updated
Message-ID: <3A67B0B0.EA8F0900@neknetwork.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Fixed one typo in the links page and uploaded a "featured response" from Paul Harden, NA5N on Tuners.

A reminder to all that the QRP-L web site is found at:

<http://qrp.lehigh.edu/lists/qrp-l/index.html>

Articles are found at:

<http://qrp.lehigh.edu/lists/qrp-l/articles.html>

You are encouraged to submit articles to me for publication on our site. There is a list of requested topics on the articles page - anything QRP related is acceptable.

Another friendly reminder: I don't run the list, just the website. I can't fix your callsign, unsubscribe you, help with email, etc... the QRP-L Manager is available for assistance with list related topics: manager@qrp.lehigh.edu

Tnx es 73,

John, KB1ENS
QRP-L WebMaster

Date: Thu, 18 Jan 2001 22:12:35 -0500
From: Ray Sills <raysills@1stconnect.com>
To: QRP list <qrp-l@Lehigh.EDU>
Subject: [89012] Re: ARRL handbook 2001
Message-ID: <B68D1AD2.1D6F%raysills@1stConnect.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi Again Gang:

Like Gary, I suspect that \$8 price for the handbook -is- an error. I found the book in the "Technology" section, near the computer books. I took the book to the checkout and asked the clerk to check the price on the book. He

scanned it in.. and told me it was \$8.00. I said I'd take it, and he rang it up. The store where I purchased it is relatively new, so maybe that had something to do with the "error". Most likely, the local database was not updated with the price of the current edition, and the lookup returned the discount price for an older edition. Whatever.

73 de Ray
K2ULR
FN20t1

> From: Gary Lee Phillips KA9NZI <ka9nzi@arrl.net>
> Reply-To: ka9nzi@arrl.net
> Date: Wed, 17 Jan 2001 13:16:54 -0600
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> Subject: Re: ARRL handbook 2001
>
> I suspect the \$8 price is an error. B-N stores often apply steep
> discounts to the old edition of a title when the new one becomes
> available. Very likely their inventory system shows the 2000 handbook
> right now, and that one is supposed to be marked down. Some local
> stores apply a sticker over the bar code on sale items, and the
> stock clerk may have applied the 2000 sticker to the 2001 book,
> not realizing that they aren't the same item.
>
> Interestingly, at www.bn.com the 2001 book is discounted to \$26.50,
> but they still have 1999 and 1998 in stock at full price of \$32.00.
> No listing for 2000 at all.
>
> -- Gary Phillips, Marengo, IL <mailto:ka9nzi@arrl.net>
> KA9NZI, Seneca Twp., McHenry Co., IL Grid: EN52rg
> QRP-L #2124 <http://www.qsl.net/ka9nzi/>

Date: Thu, 18 Jan 2001 22:36:54 -0500
From: John Wagner <john@neknetwork.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [89013] The trouble with Truffles
Message-ID: <3A67B656.B8872E1A@neknetwork.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

is there are so darn many of them! ;)

Had a great time as the FP Truffle this evening from 8:30PM to 9:00PM EST - can't believe how many Q's I made, and how far away I made 'em! Best DX was WE6W, Ed in CA - 5w both ways, VT to CA. Lowest power was WB8ICN/QRPP Mike in MI at 50mw on his end and 5w on mine. I gave him an honest, but solid 229.

Here's the log:

KB1ENS FP Truffle Hunt - 1/19/2001(Z)

0132 AF4PS 559 FL MAC NR 51

0133 W8DIZ 569 OH DIZ NR 1

0135 K4FB 559 FL PAUL NR 124

0137 WB8ICN 579 MI MIKE 5W

0140 WE6W 559 CA ED 5W (that's 5W with a wind behind it 'eh)

0143 AJ4AY 559 AL JAY 5W

0149 WB8ICN/QRPP 579 MI MIKE 50mw (a dupe, sort of, I think it should count!)

0150 K9IUA 559 ND KEVIN 5W

0153 N8IE 559 OH DAN 5W

0154 AB8DF 579 MI ED 5W

0156 W2XN 559 FL FRED 5W

0159 N8VAR 229 OH RON 5W

Thanks all for showing up - that was very fun on my end. Again it's great to hear all the folks I've met on the list. 73,

John, KB1ENS

Holland, VT

--

John Wagner - john@neknetwork.com

Web page: <http://www.neknetwork.com>

Personal Web page: <http://www.together.net/~jwag>

Date: Thu, 18 Jan 2001 22:54:11 -0500

From: "E. Roswell" <eroswell@monmouth.com>

To: qrp-1@Lehigh.EDU

Subject: [89014] Re: Barnes

Message-ID: <3A67BA63.C634A5BC@monmouth.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

I got mine today, at \$8. Yesterday, I went to a local store, 6 miles south of me; after looking in the racks for 20 minutes, with unsuccessful help from staff, got close to one at bargain table. As I

reached for it, another ham pulled it off the shelf. He heard about the run on them also! Left there and went to store 15 miles west. Nil there. Today went to store 8 miles North, and nabbed last copy. The handbook is not on the categorical shelves where you would normally find them. All these stores had Bargain tables/racks set up just in front of checkout, with big signs: "75% OFF". Lotsa different books all thrown together. Handbook was not marked down on cover, and clerk was even surprised that price came up \$8. It looks like they are trying to clear up shelf space for more new books, and are clearing out a lot of "low usage" items.

Good luck!

73, Ed, K2MGM

Date: Thu, 18 Jan 2001 19:54:26 +0000
From: flyer@value.net
To: qrp-1@lehigh.edu
Subject: [89015] Help on Sound Card Problems
Message-ID: <200101190353.TAA60789@value.net>

I have been trying to get a Sound Blaster SB16 card to work with Windows 95 with a couple of digital filtering programs(SBFFT and Hamview). Both of these programs insist that the High Direct Memory Access channel be set to 5, 6, or 7. Windows, using the Device Manager, will only let me set it to 0, 1, or 3. I have tried changing the setting to 5, in Autoexec.bat, Win.ini, Sys.ini and Config.sys files to no avail.

Does anyone out there have any idea how to deal with this problem? The card works great on PSK31, but I would like to be able to use it as a filter for CW operation with the other programs.

TIA

Mark Smith W7MTP Pleasanton, CA

Date: Thu, 18 Jan 2001 23:00:46 -0500
From: Frank Valentine <valentinef@earthlink.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.edu>
Subject: [89016] QRPp resources request
Message-ID: <3A67BBEE.1C11D74F@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Greetings... I'm not having much luck finding websites, nets, mail lists, etc. relating to QRPp (with an emphasis on: homebuilt, minimum components & max miles per mw). Do you suppose there is such an interest group ?

Thanks,

Frank Valentine WD6FIX/4
Hartwood, VA

Date: Thu, 18 Jan 2001 23:03:36 -0500
From: "ZOOM" <kandRparker@sympatico.ca>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [89017] RS digital soldering Iron
Message-ID: <001f01c081cc\$cc6115c0\$39cdfea9@einstein>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I bought one of those new digital soldering Irons from Radio Shack Cat 64-8120 for doing some QRP Projects and to put together my K1. Yes I know I could have settled with a cheap 40W iron but I always wanted a fancy temp controlled one. Well I have owned it for less than 2 months and used it twice and now it won't heat-up (broken)! I could fix it on my own but since it was under warranty I thought I would take it back in exchange for one that is not defective. As it so happens you can't do that! They have to send it in for repair somewhere! So I said even if there is an obvious manufacturers problem and they said yup RS policy! There highly trained techs have to determine if it's a manufacturers defect! Yeh right! I asked then how long will it be before I get it back? The clerk said "Donno could be 3weeks could be 6 weeks could be 3 months because our repair department is backed up.!"

Seems pretty stupid to me!

Cheers,
Rob
VE3RPF

Date: Thu, 18 Jan 2001 21:15:34 -0700
From: Tim Pettibone <k5oi@zianet.com>
To: eroswell@monmouth.com, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [89018] Re: Barnes
Message-ID: <4.3.2.7.0.20010118210641.00a9a440@zianet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gee, this is great! My wife bought me the handbook and several other offerings at full price for XMAS. It's nice to know that some of us, due to stupid errors on someone's part, are willing to capitilize on some poor souls ignorance to screw the system! Go for it guys!

Tim K50I

Date: Thu, 18 Jan 2001 23:17:08 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: mightymik2@home.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [89019] Re: OT: junkyard wars
Message-ID: <3A67BFC4.64C6532E@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Guys,

Just ask your XYL about that pile of junk you call a radio!

73

Date: Thu, 18 Jan 2001 23:19:36 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: doster@nightowl.net
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [89020] Re: "How to boost radio waves"
Message-ID: <3A67C058.40A69E5C@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

George,

Common polarization types include horizontal and vertical, which you already knew, and circular, used in space communications.

73

Date: Thu, 18 Jan 2001 20:40:52 -0800
From: "blinn" <blinn@smgazette.com>
To: <kc4atu@yahoo.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [89021] Re: Corrosion/Stranded Wire
Message-ID: <000701c081d2\$033e3e60\$bdb8e5d8@blinn>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Interesting discussion, this wire thing. Years ago I scavenged a couple of burned lighting ballasts designed for those big lights that light up the football fields, etc. These things contained a lot of copper wire about size 18 or so. I finally used it all up last summer (after 20 years) making up a couple of portable dipoles for the QRP rigs. This wire is single strand (naturally, being a ballast winding) and has the typical varnish looking coating on it.

I've got three dipoles up now that I made from this stuff twenty years ago. The 160 meter has been down a couple of times over the years because the support line (mono weed eater cord and mono fishing line) has broken, the original wire is still there. Cutting these things to length and putting them up was more of a nature challenge than a technical dilemma. By this I mean, most of us hams are at the mercy of the lay of the land. How much space do we have? Where can I string this thing up and what can I tie it off to? After all, "Parts is Parts!" and we make do with what we have, right?

So, I never really gave much thought to stranded Vs insulated Vs all those other kinds of wire available. Maybe I could make my operation better by paying attention to these details? Hmmm... maybe I am missing out?

For a look at my antennas, which by the way, are generally "Invisible" (for good reason!)... hope you can make them out.

http://members.tripod.com/Bill_Linn/invisibleantenna.jpg

Bill

--

Date: Thu, 18 Jan 2001 23:57:01 -0500 (EST)
From: "Paul R. Valko" <prvalko@oakland.edu>
To: QRP List <qrp-l@lehigh.edu>
Subject: [89022] Q: Feel like an a**, paid \$24 for handbook.
Message-ID: <Pine.OSF.4.21.0101182328130.28848-100000@saturn3.acs.oakland.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

How stupid was that? And I bought it from a local mom and pop ham store too!

Just curious from a morality standpoint...

Almost everyone expects to be reimbursed for an overcharge on a computer error. If this turns out to be a computer undercharge by BN, will you be willing to pay the regular price?

Not to rain on the parade here... but this public gloating over the big-bad company's possible mistake and encouraging others to take advantage/part in it just doesn't seem, I dunno, right.

But that's just my opinion, I could be wrong.

Hey... maybe BN did buy them for under \$8. It's possible. In that case, maybe someone from the League could explain to this Life Member why they retail for four times that amount?

73! =paul= W8KC
Collector of Ten*Tecs and other fine plastics.
Visit the Virtual Ten*Tec Museum at:
<<http://www.acs.oakland.edu/~prvalko>>

Date: Thu, 18 Jan 2001 23:11:40 -0600
From: John Ragsdale <jr91901@navix.net>
To: qrp-l@lehigh.edu

Subject: [89023] Items for sale
Message-ID: <sgif6tspatr81q9plvd1gvmdemr3nuks0g@4ax.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

Small Wonder Labs SW20+ in "factory" case with unbuilt/uninstalled RIT.
=46requency coverage 14.030 to 14.065. Two watts output. Manual. \$108.00=
shipped
USA.

Unbuilt SMK-1 with NJQRP case. Manuals. \$44.00 shipped USA.

Unbuilt BLT (Balanced Line Tuner) \$29.00 shipped USA.

73

John N=D8NF

Date: Thu, 18 Jan 2001 21:17:12 -0800 (PST)
From: wa4dou@excite.com
To: n2icz@hotmail.com, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [89024] Re: Antenna Restricted
Message-ID: <33423581.979881432865.JavaMail.imal@seamore.excite.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Larry,

Let your imagination run wild. Don't let yourself be limited to truly mediocre antennas.

For instance- In one apartment i once lived in , i started with an indoor dipole across 2 rooms; graduated to a single wire feeder out the window to a metal gutter going up and around 2 sides of the building. From there i graduated to a 270 ft. longwire.

In another apt. i buried a 100-200 ft. length of cheap RG-58 coax to trees in a nearby field and erected a dipole. Worked fine for a year or two, then came home one day to find the field bulldozed, trees gone, and my antenna, and more apartments going up. I clipped the coax off at ground level at the other end and abandoned the coax in the ground.

Do you live near or next to woods? You can have good antennas in the woods if you can figure out how to get a feeder to them. Even a feeder that is fragile and needs replacing now and then. Think about wire colors that will

blend into backgrounds and hide.

Don't worry about making antennas that are failures. It goes with the territory, you must make a few of these too! In one case i meticulously wound 68 ft. of wire on a 2" wooden dowel rod, that was 8 ft. long. Treated the whole assembly to several coats of spar varnish. It was a work of art. My plan was to store it indoors by day and dx by night. Worked it against 4 (1/4 wave) radials on 40 meters and stood it up outside, but at ground level at the base. It was a dismal failure at QRP levels. Had to run 25 watts just to make qso's 2 states away on 40.

The key to successful clandestine antennas in restricted antenna locations is : imagination, imagination, imagination. A little perseverance helps too.

How about inverted vees under the eave of the roof? Or a dipole under the overhang? Don't do like i did and make a 40 meter dipole using a ruler with advertising, only to discover that its resonant at 6.1 mhz. because you were using a Bakers dozen (13") ruler! Ha!

Why isn't mobile operation more popular among restricted antenna hams? Can the restrictions also apply to a mobile antenna on your vehicle? If not, coax to the car might be an idea from inside the house or apt!

Why aren't we seeing a resurgence in "club stations" ?

I can't even begin to scratch the surface on possibilities for antennas. But you can find lots of possibilities, just think about them. And read and study antenna books.

Good luck! 73 Roy WA4DOU

Send a cool gift with your E-Card
<http://www.bluemountain.com/giftcenter/>

Date: Fri, 19 Jan 2001 00:41:02 -0500 (EST)
From: <baltimoremd@baltimoremd.com>
To: "Paul R. Valko" <prvalko@oakland.edu>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [89025] Re: Q: Feel like an a**, paid \$24 for handbook.
Message-ID: <Pine.BSI.4.05L.10101190034280.26241-1000000@vh1.min.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 18 Jan 2001, Paul R. Valko wrote:

Message-ID: <5.0.0.25.0.20010118212036.0219cb60@mail>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 04:06 PM 1/18/01 -0800, you wrote:

>very cool show! one of my rocketry acquaintances is on next week,
>can hardly wait to see how he does! (I'd rather be surprised ;-)

hey, you buy his parachutes too?
(oh wait...he's judging)...

I'd bet if it were a show called JunkBOX wars, it'd be more interesting.
(to list members...)

Maybe someone will propose that for Pacificon...
a box of parts, some circuit board, and x amount of time...

>- j
>--
>jeff stai
>WK6I DM13
>NAR #21059 TRA #3356 L2
>jstai@home.com / wk6i@arrl.net
>ROC web page: <http://www.rocstock.org/>

Date: Fri, 19 Jan 2001 05:53:27 -0000
From: "Jerry Scherkenbach" <jerrys@execpc.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Cc: "WA9TZE, Jim Akre" <jsakre@execpc.com>, "W9XU, Lon"
<Lon.Richoz@amermsx.med.ge.com>, "AE9K, Brian" <ae9k@yahoo.com>, "NK9G, Rick"
<rmcgaver@wi.rr.com>
Subject: [89027] FOX: Hunt#27 N9AW Prelim. Results
Message-ID: <001b01c081dc\$25e189e0\$eb47cfa9@Pjerrys>

Thanks to all that I worked and all that tried. I pileups were really big the first hour and then it really dropped off as I suspect propagation changed. I had 79 QSOs the first hour and only a disappointing 18 the second hour. The pileup disappeared very quickly around 9:00 CST. I would appreciate hearing from anyone that tried during the second hour and could not make it, maybe I will be able to see a hole in my antenna coverage and be able to make antenna improvements for next year.

This was my second hunt and I just want to say a BIG THANK YOU to the

foxhunt committee, the other foxes and all participants. This event is something I really look forward to twice a week. See you in the rest of the hunts this year.....I'll be howling with the rest of you.

If you see any log errors please let me know ASAP.

72

Jerry N9AW

2001 QRP-L FOXHUNT

Hunt#27 N9AW

Default report sent: 559 WI JERRY 5W

98 QSOs

Time	Call	RST	SPC	NAME	PWR
0200	K5VUU	559	TX ED		5W
0201	KK5LD	559	TX DAN		5W
0201	W3ERU	559	MD WES		5W
0202	N4ROA	559	VA DAN		4W
0203	N1LN	559	TX BRUCE		5W
0203	N3AO	559	PA CARTER		5W
0204	AF4PS	579	FL MAC		4W
0206	K5EOA	559	LA WAYNE		5W
0207	N3YSI	569	PA AL		5W
0208	N6WG	559	CA BOB		5W
0208	K9IUA	559	ND KEVIN		5W
0209	N1FN	559	CO ET		5W
0209	WA9TZE	559	WI JIM		5W
0210	W5SB	559	TX BILL		5W
0210	K5LN	559	TX BILL		5W
0211	N5IW	559	TX DAVE		5W
0212	N2CQ	559	NJ KEN		5W
0213	K7FD	559	OR JOE		5W
0213	N5TW	599	TX TOM		5W
0214	AE9K	589	WI BRIAN		5W
0214	K5ZTY	559	TX BILL		5W
0215	KC1FB	559	CT JIM		5W
0216	NY3M	559	MD BILL		3W
0216	K5AAR	559	OK DON		5W
0217	W5PF	559	TX PAUL		5W
0217	W0RW	579	CO PAUL		5W
0218	W5YR	559	TX GEORGE		5W
0219	K5JHP	559	TX BILL		5W
0220	K5DI	579	NM KARL		5W
0220	N5UW	559	OK CLIF		5W
0221	AC5JH	559	OK TOM		5W
0222	W5HNS	559	TX HENRY		5W
0222	N4SO	559	AL KEN		5W

0224	N2WW	559 CO ED	5W
0224	W0CH	559 MO DAVE	5W
0225	W9XU	559 WI LON	5W
0225	K4GT	559 GA JIM	5W
0226	K4TWJ	559 AL DAVE	5W
0227	K0FRP	599 CO AL	5W
0228	KR5C	559 TX GEORGE	5W
0229	N5WL	559 OK BART	5W
0229	K0MP	559 CO BILL	5W
0230	VE5RC	559 SK BRUCE	5W
0231	VA6RF	559 AB EARL	5W
0232	K3IU	559 RI KEN	5W
0233	WE6W	569 CA ED	5W
0234	KF4AR	579 NC RICK	5W
0234	NQ7X	559 AZ FLOYD	5W
0235	N5ZE	559 TX LEW	5W
0236	K4FB	559 FL PAUL	5W
0237	N5EN	559 TX STEVE	5W
0237	KQ5U	559 TX TERRY	5W
0238	K50I	559 NM TIM	5W
0238	KI0II	559 CO RON	5W
0239	W5USJ	559 TX CHUCK	3W
0240	K5DW	559 TX DON	5W
0240	W5TB	559 TX DOC	5W
0241	K1CL	579 MA CHUCK	5W
0242	WA50JE	559 TX DANNY	5W
0242	NK7M	559 AZ BOB	5W
0243	W2XN	559 FL ED	5W
0244	KB7WW	559 OR ART	5W
0245	W6ABC	559 CA JACK	5W
0245	AA7EQ	559 AZ BOB	5W
0246	WB7AEI	569 WA PHIL	5W
0247	K6VNX	559 CA ARN	5W
0247	N5IB	559 LA JIM	5W
0248	AA7XA	559 OR FRANK	5W
0249	K7RE	559 AZ BRIAN	5W
0249	N4JIU	559 TX BRUCE	5W
0250	K4BYF	559 AL JACK	5W
0252	NK6A	559 CA DON	5W
0252	WE7G	559 UT WAYNE	5W
0254	W7AQK	579 AZ DAVE	5W
0254	N0TU	569 CO STEVE	5W
0256	NK9G	559 WI RICK	5W
0258	AE6TT	559 CA ALLEN	5W
0300	WE9K	599 WI GLENN	2W
0301	K3GGN	559 WI DEAN	5W
0302	KE6RS	559 CA RON	5W
0308	W9UQB	559 AZ MIKE	5W

0311	N5ET	559 TX BOB	5W
0316	W9XT	559 WI GARY	5W
0320	K0YWD	559 MT GEORGE	5W
0321	W4NJK	559 CA CHUCK	5W
0323	WA7TQK	559 ID BILL	5W
0325	AE4MU	559 WA DENNIS	5W
0327	K7EL	559 OR DAVE	5W
0327	AD6JV	559 CA BILL	5W
0330	AD6JY	559 CA DAN	5W
0332	WA5REJ	559 TX ALLEN	5W
0334	W2ZGB	559 CO GABE	5W
0335	KE5TF	559 TX LINDA	5W
0338	N1TP	559 FL TOM	5W
0344	N0DSP	559 CO TOM	5W
0344	N9AU	559 WI RON	5W
0359	NQ7K	559 AZ MIKE	5W
0400	N9AW	559 WI FOX	5W

Date: Fri, 19 Jan 2001 00:19:39 -0600
 From: Bryn Joynes <bryn@pcpractice.com>
 To: qrp-1@lehigh.edu
 Subject: [89028] Cub Fox reports..
 Message-ID: <3A67DC7B.53AE55AC@pcpractice.com>
 MIME-Version: 1.0
 Content-Type: text/plain; charset=us-ascii
 Content-Transfer-Encoding: 7bit

Has anyone seen the report from Fred VE7FAL for Cub Hunt #27 please. My server has been down for the last two days and the Internet connection has been flaky and I'm afraid I missed it. I'm excited because it may be my second pelt...

Thanks

--

Bryn Joynes (N4VM EM65L0)	Primary Care Practice, P.C.
bjoynes@collug.org	http://www.collug.org ICQ 5656763
bryn@pcpractice.com	http://www.pcpractice.com

===== "Wellness is a Partnership" =====

Date: Thu, 18 Jan 2001 16:58:07 -0800
 From: Dan Presley <talljazz@teleport.com>

To: qrp-1@LeHigh.EDU
Subject: [89029] FOX: corrected log v.1.01 N7CQR
Message-ID: <v0300781eb68cd8ffb503@[216.26.60.106]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Here's the second version-I missed at least 2 qsos which didn't get moved from the original log to the transcribed version-my apologies to K9UIA and N5TW. Never try this on 4 hrs sleep!

Time	Call	RST	SPC	Name	Pwr
0200	KB7WW	559	OR	Art	5W
0201	K0EVZ	579	ND	Doc	2W
0202	NQ7X	559	AZ	Floyd	5W
0202	K9UIA	559	ND	Kevin	5W
0203	K7FD	559	OR	John	5W
0203	WE6W	599	CA	Ed	5W
0204	N0UR	559	MN	Jim	5W
0205	N1LN	579	TX	Bruce	5W
0206	VA6RF	579	AB	Earl	5W
0207	WB7AEI	599	WA	Paul	5W
0208	WA9TZE	559	WI	Jim	5W
0209	N5TW	559	TX	Tom	5W
0209	W0PWE	599	IA	Chuck	5W
0210	AA7XA	559	OR	Frank	5W
0211	N4ROA	559	VA	Dan	5W
0213	K5VUU	559	TX	Ed	5W
0213	N1FN	559	CO	ET	5W
0214	W0CH	559	MO	David	5W
0215	AC5JH	559	OK	Tom	5W
0216	NK7M	559	AZ	Bob	5W
0217	N2WW	559	CO	Larry	5W
0217	W6ABC	599	CA	Jack	5W
0218	K5OI	569	NM	Karl	5W
0219	K0MP	559	CO	Bill	5W
0220	K6VNX	559	CA	Arle	5W
0221	N6WG	559	CA	Bob	5W
0222	N5ET	559	TX	Bob	5W
0222	N5UW	559	OK	Clif	5W
0223	W0RSP	559	SD	Ade	4W
0224	W9XT	559	WI	Gary	5W
0226	N5GLQ	569	LA	Mike	5W
0228	K0PC	559	MN	Pat	5W
0229	W5SB	559	TX	Bill	5W
0230	K5AAR	559	OK	Don	5W
0231	N9AW	559	WI	Jerry	5W
0232	AA7EQ	559	AZ	Bob	5W

0232	AA0ZZ	589	MN	Craig	5W
0233	VE5RC	559	SK	Bruce	5W
0234	K7RE	559	AZ	Brian	5W
0235	K5ZTY	559	TX	Bill	5W
0236	KK5LD	559	TX	Dan	5W
0237	NK6A	599	CA	Don	5W
0239	K5E0A	559	LA	Wayne	5W
0241	W3EEK	569	PA	Carl	5W
0242	K8MP	549	OH	Joe	100W (!)
0244	WA7TQK	559	ID	Bill	5W
0245	N8IE	559	OH	Dan	5W
0246	K2LP	579	MA	Marv	100W (!)
0247	N4SO	599	AL	Ken	5W
0248	N0TU	599	CO	Steve	5W
0250	N5JI	559	TX	Rich	5W
0252	NV4V	559	KY	Pete	5W
0253	N5AM	559	TX	Charlie	4W
0257	KI6RS	579	CA	Ron	5W
0258	N5IW	559	TX	Dave	5W
0300	AB8DF	559	MI	Ed	5W
0300	W0JOE	559	MO	Joe	5W
0301	N5EN	559	TX	Steve	5W
0302	K0FRP	599	CO	Al	5W
0305	AD6JY	579	CA	Dan	5W
0308	W5USJ	559	TX	Chuck	3W
0309	WR50	559	TX	Dave	5W
0313	W9XU	559	WI	Don	5W
0313	N6XG	599	CA	Walt	1W
0314	K5DW	559	TX	Don	5W
0316	K5JHP	559	TX	Bill	5W
0316	NK9G	559	WI	Rick	5W
0317	KI0II	559	CO	Ron	5W
0318	N2CQ	559	NJ	Ken	5W
0320	AF4PS	559	FL	Mac	5W
0322	N5RL	559	OK	John	5W
0323	KK7GG	559	OR	Mike	5W
0325	N2ZHY	349	NJ	David	5W
0327	KE5TF	559	TX	Linda	5W
0329	W4NJK	559	CA	Charlie	5W
0331	W5YR	579	TX	George	5W
0333	KC1FB	559	CT	Jim	5W
0335	W8SFF	559	MN	Steve	5W
0336	W5HNS	559	OK	Henry	5W
0337	WE9K	579	WI	Glen	5W
0339	AE9K	559	WI	Brian	5W
0340	AF4LQ	569	KY	Mike	5W
0341	K8CV	559	MI	Walt	5W
0344	W7AQK	579	AZ	Dave	5W

0345	KQ5U	559	TX	Terry	5W
0347	AB0CO	559	CO	Dick	5W
0348	K5ACM	599	TX	Jon	5W
0349	K7QO	599	AZ	Chuck	500 Mw (!)
0351	W3ERV	569	NM	Wes	4W
0353	K10J	559	TX	OJ	5W
0354	WS4S	579	TN	Conard	5W
0355	AB0GO	559	CO	Dave	5W
0356	N1TP	559	FL	Tom	5W
0357	K2QO	549	NY	Mark	2W
0358	N5IB	559	LA	Jim	5W
0359	WA5OJE	559	TX	Danny	5W
0400	N7CQR			Fox	

Dan Presley-N7CQR-Portland, Or QRP-L #502

Date: Fri, 19 Jan 2001 01:25:07 -0600
 From: Lee Bahr <w5drc@earthlink.net>
 To: unlisted-recipients;; (no To-header on input)
 Cc: low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
 Subject: [89030] Re: Barnes/ARRL Handbook
 Message-ID: <3A67EBD3.822648D3@earthlink.net>
 MIME-Version: 1.0
 Content-Type: text/plain; charset=us-ascii
 Content-Transfer-Encoding: 7bit

I've got a 1948 ARRL Handbook I bought new for \$2.00 in 1948. Do you think it's time to buy a new one, or are things pretty much the same in the new ones?
 Lee Bahr w0vt

Date: Fri, 19 Jan 2001 08:29:37
 From: "Leon Heller" <leon_heller@hotmail.com>
 To: dsirait@centrin.net.id, qrp-l@Lehigh.EDU
 Subject: [89031] Re: Making pads for ICs
 Message-ID: <F28NgEpTX5V3GykBbKP000017d4@hotmail.com>
 Mime-Version: 1.0
 Content-Type: text/plain; format=flowed

>Dear Jim & the QRP-l gang,
 >I saw that you use a single pad with islands for IC
 >for the Manhattan style construction.

>My question is how do you make those islands?
>By cutting it?
>Or is there any other method used for making pads
>for ICs?
>I am thinking of constructing a project with more IC pins
>using Manhattan style.

A technique I've used is to cut some small pieces of Veroboard to fit the ICs and cut the tracks in the middle. Bend the pin ends out at right angles and solder them down onto the Veroboard. Stick the IC assemblies down to the ground plane with double-sided tape or glue, and wire the IC pins up to the other components. You can use sockets with this technique if you wish. As an experiment, I built up a very compact micro-controller system this way.

73, Leon

--

Leon Heller, G1HSM Tel: (work): +44 1327 357824 (home): +44 1327 359058
Email:leon_heller@hotmail.com My web page:
http://www.geocities.com/leon_heller IRISYS Ltd: <http://www.irisys.co.uk>

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>.

Date: Fri, 19 Jan 2001 05:31:22 -0500
From: "Walt Amos" <k8cv@netzero.net>
To: "david gauding" <david.gauding@bbs.galilei.com>
Subject: [89032] Re: SLV Comments - Was Current Draw in K1
Message-ID: <000301c08203\$53ba3980\$78d43604@waltamos>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The caps below are not "shouting", done so you can distinguish the reply from the original.

----- Original Message -----

From: "david gauding" <david.gauding@bbs.galilei.com>

To: <qrp-L@lehigh.edu>
Cc: <K8CV@netzero.net>
Sent: Thursday, January 18, 2001 2:58 PM
Subject: SLV Comments - Was Current Draw in K1

>
> At 11:13 PM 1/17/01 -0500, you wrote:
>
> Extracted from the message following this response:
>
> "Much of it is VAPOR WARE like the much touted St. Louis vertical. A
dipole
> in a tree will run circles around it. Yes, it might be great in the DESERT
> where there are no trees, but that's about all."
>
> Walt,
>
> Read the original SLV article again and show me where it is "much touted".
> I designed the antenna and wrote the article but I missed that. Perhaps
you
> will be so kind as to point out just where this occurs. Also, how about
> doing a key word search on my postings on the SLV here on QRP-L to support
> your comments.
>
> It seems to me that some folks who criticize the antenna out-of-hand base
> their judgments on e-mails or articles written by others.
>
> Alternatively, it gets run through a software program written by someone
> else after changing the design just enough so the data can be digested.
>
> A few test only parts of the antenna and due to the non-standard
> configuration never assess it as a complete unit.
>
> I'm asking you now to respond on QRP-L to the following questions

THIS KIND OF BICKERING NEED NOT BE BROADCAST TO ALL, BUT SO BE IT!

>
> 1) Did you read the original article in either QRPP or on the NorCal
website?

YES YEARS AGO.

>
> 2) What design parameters were established for the original SLV?

I HAVE NO IDEA!

>

> 3. Have you built an SLV?

NO

>

> 4. Did you use it on the air?

SEE ANSWER 3

>

> 5. Tell me about your experiences

ABOUT ANTENNAS I HOPE. :-)) I HAVE AN 80 METER INVERTED VEE FEED WITH OPEN WIRE, I HAVE A CAROLINA WINDOM FOR 80 METERS. THEY BOTH ARE OFF OPPOSITE ENDS OF A 2" X 10' PLASTIC PIPE BOOM AT 60 FEET. I HAVE A GROUND MOUNTED 33' VERTICAL WITH AN OLD MOTOR DRIVEN HEATHKIT SINGLE WIRE TUNER AT THE FEED POINT. I HAVE A HUSTLER TRAP VERTICAL ON MY GARAGE WITH MANY RADIALS. I HAVE TRIED A VERTICAL LOOP YEARS AGO AND TAKEN IT DOWN. I HAVE A TH7DX AT 65 FEET. I HAVE A SLOPER DIPOLE FOR 30 METERS, APEX AT 55' AND END 10' ABOVE GROUND. I HAVE A WINDOM IN MY ATTIC FOR SWL LISTENING. I HAVE A RANDOM WIRE IN MY ATTIC FOR SWL LISTENING. I HAVE A CUSHCRAFT 10 ELEMENT X YAGI ABOVE MY BEAM FOR 2 METERS. I HAVE A CUSHCRAFT RINGO RANGER ON MY CHIMNEY FOR 2 METERS. THEY ALL SERVE ME WELL. I AM HAPPY AND DON'T NEED A FISH POLE WIRE WRAPPED VERTICAL IN MY BACK YARD.

>

> I and the rest of QRP-L await your answers, Walt!

>

SEE ABOVE PARAGRAPH. IS QRP-L REALLY WAITING FOR MY ANSWER, I THINK NOT!

I'm going to help you out with question 2). The original SLV is a simple,
> inexpensive, easily transported, easily installed, self-supporting
portable
> vertical tuned remotely to cover 10-40M. It is easily reproduced with
> off-the-shelf components and does not require external supports.

I HAVE TAKEN A BUTTON (USED FOR INSULATORS) DIPOLE TO RENTAL HOUSES ON THE FLORIDA GULF COST AND CONTESTED WITH THEM.

>

> If you do not comprehend the design parameters then you cannot understand
> and appreciate the antenna. Nothing else above these parameters is
> expressed or implied.

>

> If there has been any touting of the original SLV over the past five years
> it has come from users, not from me. The operative word here is "users"

who

> have earned a right to offer their opinions, either pro or con.

FAIR AND SQUARE, I HAVE A RIGHT TO MY OPINION AND THEY HAVE A RIGHT TO THEIRS, I HAVE ONLY READ THE GLOWING USERS REPORTS HERE ON QRP-L!

>

> Some of the reporting by users reflects the euphoria of a first contact or
> a special contact. Mostly, I think it reflects operators having fun with
> QRP. They made a few contacts in a portable location, went home and then
> wished to share the experience with someone else. After all, this is a
hobby.

>

> Okay OM Walt! It's your ball now. Let's see what you have.

>

>

>

> de Dave, NF0R nf0r@slacc.com

>

SORRY YOU TOOK OFFENCE, I DID NOT MEAN TO PICK ON YOU PERSONALLY. PLEASE
ACCEPT MY APPOLOGY AND FEEL FREE TO USE YOUR ANTENNA OR ANY OTHER YOU
CHOOSE. I DID NOT EVEN HEAR THE FOX TONIGHT. :-(

72

WALT K8CV

>

>

> >Doug:

> >

> >I find most specs are more hope than reality. The Jones filter in my
Delta

> >II and Argonaut II leave a lot to be desired even looking at them with
> >Spectrogram. The power out of my now sold Norcal 20 never quite got up to
5

> >watts. The Wilderness Sierra I have is an absolutely wonderful radio for
its

> >size and the K-2 more than surpasses my expectations by a large margin. I
> >have used a Argonaut 515 for years before discovering your Norcal stuff
and

> >qrp-l which launched me on a adventure into qrp the last 3 years but a
lot

> >of stuff has to be taken with a grain of salt. Much of it is VAPOR WARE

like

> >the much touted St. Louis vertical. A dipole in a tree will run circles
> >around it. Yes, it might be great in the DESERT where there are no trees,
> >but that's about all. Overall I have been very satisfied with the honesty
of

> >the qrp community and the manufactures or kit suppliers. It was nice to
see

> >two recent post here on the Alinco Radio and some antenna reality about
> >plain old dipoles and all the other quirky antennas dejure. Finally some
> >truth in advertising? Most guys love a radio until they sell it, just
like

> >cars! Then you hear the true skinny.

> >

> >Hey, keep up the good work with QRPp and Norcal. Good health to you and
> >yours.

> >

> >Walt K8CV

> >

> >----- Original Message -----

> >From: "Doug Hendricks" <ki6ds@dph.dpol.net>

> >To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

> >Sent: Wednesday, January 17, 2001 4:11 PM

> >Subject: Current Draw in K1, Interesting Results

> >

> >

> > > Guys, as you know I have been doing a survey on the current draw in a
K1.

> > > Why? Well, when I finished mine, I did the measurements and was
surprised

> > > at my results. I expected them to be much lower as the kit is
advertised

> >as

> > > a backpacker rig. The specs in the manual say that receive current
draw

> >is

> > > 50mA with no signal. My results were 59 mA with no signal, an 18.4%

> > > difference, which is much more than I anticipated. Then I measured
the

> > > current drain when I was receiving what I call a nice strong signal,
say

> > > 599, and had the af gain set at 12 O'clock. Wow, it was now 67 mA,
which

> > > is 34% more than the no signal level quoted in the manual. Hmmn. I

> > > wondered what the difference was going to be with the speaker on the
same

> > > signal, same setting of the audio pot, and it was 120 mA!! That was
140%

> > > more than the manual figure! Maybe I had made a mistake in building

my
> >kit?
> > > But it tested out normal and seemed to work fine. Ahh, I would use
qrp-1
> >to
> > > do some research and see what other builders out there were getting.
> >First,
> > > though I would have to try and get the same settings and conditions as
> >close
> > > as possible. I came up with setting the pot at 12 o'clock (which
should
> > > have been mid range) and requested 3 readings for the results. No
signal,
> > > strong 599 type signal with headphones, and the same signal using the
K1
> > > speaker. I posted the request to the list and also had the same
request
> > > posted to the Elecraft reflector. There are about 500 K1 kits sold so
far
> > > (my serial number was in the high 400's and I got my kit 2 weeks ago.)
and
> >I
> > > expected lots of results and data points. In fact, I even told my
> >science
> > > classes about the experiment, and told them that we would use the
results
> >as
> > > an example of doing research over the internet.
> > >
> > > Boy was I disappointed in the response. Only 6 responses out of 500!!
> >Here
> > > are the results of that survey:
> > >
> > > No Signal Current: 58.33 mA
> > > Headphone with strong signal = 76.7 mA
> > > Speaker with strong signal = 107.1
> > >
> > > What does that tell me? Well I feel a lot better about my readings
now,
> >as
> > > they seem to be right in the ball park of the rest of the guys.
Granted,
> > > there was no signal strength standard, and the results are not
perfect,
> >but
> > > they are real world and they have value.
> > >
> > > What have I learned? First, the specs quoted in the manual are for

best

> > > case scenario and in this case are for no signal present. I don't listen

> >to

> > > my radios unless there is a signal, so it is not very relevant to the real

> > > world. I am not bashing Elecraft here, as I think that this is a common

> >way

> > > to spec receiver drain. I wish that we could have a standard that shows

> >us

> > > current drain with respect to a signal level input and audio output of a

> > > radio. It would mean much more than what we have now.

> > >

> > > Second, I did not realize how much more current drain there is with a > > > speaker than headphones. I sure do now. There is no spec in the manual

> >for

> > > this, and I would imagine that was done on purpose, as the rig is > >advertised

> > > as a backpacker radio. Don't think I would want to do much listening with

> > > the speaker if I was a long way from home and did not have a lot of > > > batteries.

> > >

> > > Third, I probably now know why my K2 ate batteries. I never suspected > >that

> > > using the speaker could use so much more current than headphones. Don't

> > > have a K2 any more so I can't measure the difference but I bet it is > > > significant. I did use the speaker when I was having problems with the

> >low

> > > battery life. I know, dumb, but I didn't know then what I know now, > > > education costs (Dr. Charles Adams, NorCal meeting August, 1993).

Radios

> > > with built in speakers have a high current overhead when you use that > > > speaker. There is no free lunch.

> > >

> > > In summary, I wish that rig manufacturers would use a different way of > > > specing current drain in receivers that was more real world like. I also

> > > wish that if they have a speaker in the rig that they spec current drain

> > > with headphones and with the speaker. My thanks to the guys who sent me

> > > data, you are appreciated. I just wonder why only 6 out of 500
> > responded??
> > >
> > > Jim Duffey is working on a test and equipment to do same to compare
> > current
> > > drain in rigs. He will do it at Arkiecon in April. Should be fun.
> > >
> > > 72, Doug, KI6DS
> > >
> > >
> >
> >
> > Shop online without a credit card
> > <http://www.rocketcash.com>
> > RocketCash, a NetZero subsidiary
>
>

Shop online without a credit card
<http://www.rocketcash.com>
RocketCash, a NetZero subsidiary

Date: Fri, 19 Jan 2001 03:07:11 -0800
From: "Dave Fifield" <ad6a@earthlink.net>
To: <qrp-1@lehigh.edu>, <yeasu@qth.net>, <ft817@qth.net>
Subject: [89033] FT-817 - CW Filter Installed - Works Very Well Indeed!
Message-ID: <00ce01c08207\$f97ee9c0\$0600a8c0@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Folks,

I received my FT-817 CW filter (YF-122C) today.
It installed easily and works very well indeed. I'll have
some real measurements soon. There are a couple of
things to watch out for when installing the filter and
configuring the rig afterwards - I got very confused and
thought it didn't work properly for a while - if you're
installing one of these filters, you may like to check
my install/configure method - it may save you some
time/effort - it's online at:

http://www.cooltechstuff.com/FT817_CWfilterinstall.html

There's some other pictures on there of the PA/filter board and front panel etc. that may be of interest to you even if you're not fitting a filter right now. Also, I noticed something a little odd about the speaker mounting....go check it out...

Cheers es 72,
Dave Fifield, AD6A

Date: Fri, 19 Jan 2001 06:09:07 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: bob baxter <rbaxter@cybertrails.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [89034] Re: Vertical Antenna
Message-ID: <Pine.LNX.4.31.0101190604200.866-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Bob, yep it works and I found that flashing is better than the doubled over aluminum tape. You can roll up flashing and it will lay out flat later.

Problem: The 1/2" plastic pipe that is both an insulator and a support member fails the support test. I plan to stiffen that part that passes through the coil somehow.

On Thu, 18 Jan 2001, bob baxter wrote:

> Karl and group, You bet it works. I built one per QST instructions
> and it checks out good. The receive volume is down a little against the
> Gap (expected) but have had good reports on it. Plan to use it in FYB0.
> Bob Baxter AA7EQ
> Bisbee, Az.
>
>
> >
> >The thing works!
> >
> >Yours Truly,
> >
> > - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

> >
> >
>
>
>

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Fri, 19 Jan 2001 08:34:13 -0500
From: rich a <rckchp@home.com>
To: kandRparker@sympatico.ca
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [89035] Re: RS digital soldering Iron
Message-ID: <3A684255.186CDE99@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

ZOOM wrote:

>
> I bought one of those new digital soldering Irons from Radio Shack
> Cat 64-8120.....

I also bought the Radio Shack (TechAmerica) digital soldering station when they were on sale last summer. Although the iron is longer and therefore somewhat more unwieldy than other irons, I got used to it and it worked OK for assembling my K2. However, the available tip selection is very limited and none are fine enough for surface mount work so I'll be buying a better unit with more tip choices as I (eventually) move to doing surface mount kits.

Lesson learned: you get what you pay for. I knew that but the temptation to "save" a buck is irresistible to many of us.

Regards,

Rich / KB2CPE

Date: Fri, 19 Jan 2001 08:36:03 -0500
From: Kenneth Hoglund <hoglund@wfu.edu>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [89036] Handbooks, Morality, Barnes
Message-ID: <3A6842C2.3E09FF57@wfu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ok, since I began this mess, I'll clarify a few points. Also worked after college for a bookstore so know more than a little about all this.

Large chain operations like B&N and Borders buy in a big volume, usually with a 50% discount from publisher, sometimes with considerably more. Their aim is to make profit on volume, not individual sales, which is why B&N offers 20% discount on titles on the NY Times Bestseller list. When I was at the local B&N there was an 8 foot high stack of Harry Potter's latest, on sale for 30% off. My guess is they got them for 60% off retail price since Scholastic does that for large enough orders.

Once a book is not "hot," they keep slashing the price until its disposed of to a clearance house. That's why there are large racks of "bargin books" in the front of any B&N or Borders. Most of these start pricing with 10% profit over what the chain paid, then go down to what the chain has in it, then goes to lower than what the chain has in it. It costs the store, and the chain, money to have cash tied-up in inventory that isn't moving. This is a part of how they do business, and their bean-counters have this down to a science.

Books with "Annual" in the title, and received in 2000, are probably being automatically discounted now in 2001, as one post suggested recently. This is a computerized operation, and from the reports we're seeing on the list likely being done in the local stores rather than by the chain as a whole. Seems there are still 2001 Handbooks in the B&N Warehouse that are listed at \$32.

Alright, are we somehow taking advantage of B&N's ignorance in rushing out to the stores and snapping up the Handbooks? They're the ones putting the discount on the volume, so are we taking advantage of B&N by buying any of the "bargin" books at the front of the store?

>From the local store's perspective, there probably is no mistake. The "Annual" came in in 2000: didn't sell in 2000, so now they get something back by selling it for a cheaper price, cash they can turn around and invest in stock with a better profit margin. You could try to argue with them that its still good, but the store is going to sell it at a discount, or eventually to a clearance operation, no matter what.

For my values, its more of a tragedy for such a valuable resource to get sent to some broker for \$1 or .50 and turned to paper pulp than a ham who could really use the resource getting it for a discounted price.

B&N, Borders and their ilk are in the business to make money, and they do it well. If their way of doing business results in a deal for us, are we wrong to take advantage of it? Not to my way to thinking.

73

Ken KG4FGC

Date: Fri, 19 Jan 2001 08:41:33 EST
From: Shepherd@aol.com
To: <qrp-1@lehigh.edu>
Subject: [89037] Re: Barnes
Message-ID: <43.f867108.27999e0d@aol.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

I knew this one was coming, just surprised it took so long. :-D

72, oo
Dan, N8IE

In a message dated Thu, 18 Jan 2001 11:16:53 PM Eastern Standard Time, Tim Pettibone <k5oi@zianet.com> writes:

<< Gee, this is great! My wife bought me the handbook and several other offerings at full price for XMAS. It's nice to know that some of us, due to stupid errors on someone's part, are willing to capitilize on some poor souls ignorance to screw the system! Go for it guys!

Tim K50I

>>

Date: Fri, 19 Jan 2001 08:45:03 EST
From: K4IA@aol.com
To: hoglund@wfu.edu
Cc: qrp-1@lehigh.edu
Subject: [89038] Re: Handbooks, Morality, Barnes
Message-ID: <97.1009ea7d.27999edf@aol.com>
MIME-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I agree.

B&N is not making a mistake, they are following their business plan. It just happens that we think it results in a bargain for us. It is a "win/win" situation.

As for the guy who feels like an a** for paying full price at his Mom and Pop ham store. Mom and Pop don't follow the B&N business plan. If you don't pay them a little more for some things, Mom and Pop will be out of business and you won't have their store to buy your other goodies from. I would rather pay full price and keep Mom and Pop in business than surf around trying to save a few bucks and deny them the sale.

Otherwise, Walmart will take over the world.

Radio K4IA
Craig Buck
Fredericksburg, Virginia USA
QRP ARCI #2550 FISTS #6702 CC 788

For cheap long distance, 800#s and more
Tune to http://www.ld.net/?bucksavers

4.9 cents/min - no monthly fees

Date: Fri, 19 Jan 2001 08:30:14 -0600
From: "Joel Kluender, NF9K" <nf9k@eudoramail.com>
To: qrp-l@lehigh.edu
Subject: [89039] K2 Building
Message-ID: <FLHMDMANKFAGAAAA@shared1-mail.whowhere.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Language: en
Content-Transfer-Encoding: 7bit

All,

I'm contemplating buying and building a K2, but as the father of a 4 yr old, 2 yr old, and 2 month old, time in the shack is almost nonexistent these days.

I think I could reliably find 1/2 hr per day early in the morning before I go to work if I commit to it. Based on the experience of you guys who have built it, how long would the project take at this daily rate?

Alternatively, I might consider paying someone to build it for me. Any idea how much that might run? I've got plenty of projects in the fire so I don't feel I'd be "depriving" myself of anything if I let someone else do it.

Just trying to evaluate my options...

Joel NF9K

Joel Kluender, NF9K
870 Prairie Street S.
Shakopee, MN 55379

Great is the Lord, and worthy of praise!

Join 18 million Eudora users by signing up for a free Eudora Web-Mail account at <http://www.eudoramail.com>

Date: Fri, 19 Jan 2001 08:29:40 -0600
From: david gauding <david.gauding@bbs.galilei.com>
To: qrp-L@lehigh.edu
Cc: k8cv@netzero.net
Subject: [89040] Re: SLV Comments - Was Current Draw in K1
Message-ID: <5.0.2.1.0.20010119075931.02581090@bbs.galilei.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

GM Walt,

Thanks for your detailed response. I realize you have not built and/or used an original SLV. But, I enjoyed reading about your experiences with other antennas. In that regard, I suspect we have been down the same path.

I do not take your remarks personally. However, I do take issue with posters on QRP-L maligning any antenna without having used it on the air. Especially when so many of the portable designs are inexpensive and easy to duplicate.

Last week, one fellow maligned the extensively documented DCTL loop designed by another ham. He obviously hadn't even built one and I called him on it.

How that posting will be received by a limited-space operator considering the design is obvious. Both, now and later in the archives. I haven't heard

a word from the poster here or in private e-mail, not that I am due any response.

You had the courtesy to respond. I do appreciate and respect you for that.

Regards,

de Dave, NF0R nf0r@slacc.com

At 05:31 AM 1/19/01 -0500, you wrote:

>The caps below are not "shouting", done so you can distinguish the reply
>from the original.

>

>

>----- Original Message -----

>From: "david gauding" <david.gauding@bbs.galilei.com>

>To: <qrp-L@lehigh.edu>

>Cc: <K8CV@netzero.net>

>Sent: Thursday, January 18, 2001 2:58 PM

>Subject: SLV Comments - Was Current Draw in K1

>

>

> >

> > At 11:13 PM 1/17/01 -0500, you wrote:

> >

> > Extracted from the message following this response:

> >

> > "Much of it is VAPOR WARE like the much touted St. Louis vertical. A

> > dipole

> > in a tree will run circles around it. Yes, it might be great in the DESERT

> > where there are no trees, but that's about all."

> >

> > Walt,

> >

> > Read the original SLV article again and show me where it is "much touted".

> > I designed the antenna and wrote the article but I missed that. Perhaps

>you

> > will be so kind as to point out just where this occurs. Also, how about
> > doing a key word search on my postings on the SLV here on QRP-L to support
> > your comments.
> >
> > It seems to me that some folks who criticize the antenna out-of-hand base
> > their judgments on e-mails or articles written by others.
> >
> > Alternatively, it gets run through a software program written by someone
> > else after changing the design just enough so the data can be digested.
> >
> > A few test only parts of the antenna and due to the non-standard
> > configuration never assess it as a complete unit.
> >
> > I'm asking you now to respond on QRP-L to the following questions
>
>THIS KIND OF BICKERING NEED NOT BE BROADCAST TO ALL, BUT SO BE IT!
>
> >
> > 1) Did you read the original article in either QRPP or on the NorCal
>website?
>
>YES YEARS AGO.
> >
> > 2) What design parameters were established for the original SLV?
>
>I HAVE NO IDEA!
> >
> > 3. Have you built an SLV?
>
>NO
> >
> > 4. Did you use it on the air?
>
>SEE ANSWER 3
> >
> > 5. Tell me about your experiences
>
>ABOUT ANTENNAS I HOPE. :-)) I HAVE AN 80 METER INVERTED VEE FEED WITH OPEN
>WIRE, I HAVE A CAROLINA WINDOM FOR 80 METERS. THEY BOTH ARE OFF OPPOSITE
>ENDS OF A 2" X 10' PLASTIC PIPE BOOM AT 60 FEET. I HAVE A GROUND MOUNTED 33'
>VERTICAL WITH AN OLD MOTOR DRIVEN HEATHKIT SINGLE WIRE TUNER AT THE FEED
>POINT. I HAVE A
>HUSTLER TRAP VERTICAL ON MY GARAGE WITH MANY RADIALS. I HAVE TRIED A
>VERTICAL LOOP YEARS AGO AND TAKEN IT DOWN. I HAVE A TH7DX AT 65 FEET. I HAVE
>A SLOPER DIPOLE FOR 30 METERS, APEX AT 55' AND END 10' ABOVE GROUND. I HAVE
>A WINDOM IN MY ATTIC FOR SWL LISTENING. I HAVE A RANDOM WIRE IN MY ATTIC FOR
>SWL LISTENING. I HAVE A CUSHCRAFT 10 ELEMENT X YAGI ABOVE MY BEAM FOR 2
>METERS. I HAVE A CUSHCRAFT RINGO RANGER ON MY CHIMNEY FOR 2 METERS. THEY ALL

>SERVE ME WELL. I AM HAPPY AND DON'T NEED A FISH POLE WIRE WRAPPED VERTICAL
>IN
>MY BACK YARD.
>
> >
> > I and the rest of QRP-L await your answers, Walt!
> >
>
>SEE ABOVE PARAGRAPH. IS QRP-L REALLY WAITING FOR MY ANSWER, I THINK NOT!
>
> I'm going to help you out with question 2). The original SLV is a simple,
> > inexpensive, easily transported, easily installed, self-supporting
>portable
> > vertical tuned remotely to cover 10-40M. It is easily reproduced with
> > off-the-shelf components and does not require external supports.
>
>I HAVE TAKEN A BUTTON (USED FOR INSULATORS) DIPOLE TO RENTAL HOUSES ON THE
>FLORIDA GULF COST AND
>CONTESTED WITH THEM.
>
> >
> > If you do not comprehend the design parameters then you cannot understand
> > and appreciate the antenna. Nothing else above these parameters is
> > expressed or implied.
> >
> > If there has been any touting of the original SLV over the past five years
> > it has come from users, not from me. The operative word here is "users"
>who
> > have earned a right to offer their opinions, either pro or con.
>
>FAIR AND SQUARE, I HAVE A RIGHT TO MY OPINION AND THEY HAVE A RIGHT TO
>THEIRS, I HAVE ONLY READ THE GLOWING USERS REPORTS HERE ON QRP-L!
>
>
> >
> > Some of the reporting by users reflects the euphoria of a first contact or
> > a special contact. Mostly, I think it reflects operators having fun with
> > QRP. They made a few contacts in a portable location, went home and then
> > wished to share the experience with someone else. After all, this is a
>hobby.
> >
> > Okay OM Walt! It's your ball now. Let's see what you have.
> >
> >
> >
> > de Dave, NF0R nf0r@slacc.com
> >
>

>SORRY YOU TOOK OFFENCE, I DID NOT MEAN TO PICK ON YOU PERSONALLY. PLEASE
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> > >yours.
> > >
> > >Walt K8CV
> > >
> > >----- Original Message -----
> > >From: "Doug Hendricks" <ki6ds@dph.dpol.net>
> > >To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

> > >Sent: Wednesday, January 17, 2001 4:11 PM
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> > > > as possible. I came up with setting the pot at 12 o'clock (which
>should
> > > > have been mid range) and requested 3 readings for the results. No
>signal,
> > > > strong 599 type signal with headphones, and the same signal using the
>K1
> > > > speaker. I posted the request to the list and also had the same
>request
> > > > posted to the Elecraft reflector. There are about 500 K1 kits sold so
>far
> > > > (my serial number was in the high 400's and I got my kit 2 weeks ago.)
>and

> > > I
> > > > expected lots of results and data points. In fact, I even told my
> > > science
> > > > classes about the experiment, and told them that we would use the
> results
> > > as
> > > > an example of doing research over the internet.
> > > >
> > > > Boy was I disappointed in the response. Only 6 responses out of 500!!
> > > Here
> > > > are the results of that survey:
> > > >
> > > > No Signal Current: 58.33 mA
> > > > Headphone with strong signal = 76.7 mA
> > > > Speaker with strong signal = 107.1
> > > >
> > > > What does that tell me? Well I feel a lot better about my readings
> now,
> > > as
> > > > they seem to be right in the ball park of the rest of the guys.
> Granted,
> > > > there was no signal strength standard, and the results are not
> perfect,
> > > but
> > > > they are real world and they have value.
> > > >
> > > > What have I learned? First, the specs quoted in the manual are for
> best
> > > > case scenario and in this case are for no signal present. I don't
> listen
> > > to
> > > > my radios unless there is a signal, so it is not very relevant to the
> real
> > > > world. I am not bashing Elecraft here, as I think that this is a
> common
> > > way
> > > > to spec receiver drain. I wish that we could have a standard that
> shows
> > > us
> > > > current drain with respect to a signal level input and audio output of
> a
> > > > radio. It would mean much more than what we have now.
> > > >
> > > > Second, I did not realize how much more current drain there is with a
> > > > speaker than headphones. I sure do now. There is no spec in the
> manual
> > > for
> > > > this, and I would imagine that was done on purpose, as the rig is

> > > advertised
> > > > as a backpacker radio. Don't think I would want to do much listening
> with
> > > > the speaker if I was a long way from home and did not have a lot of
> > > > batteries.
> > > >
> > > > Third, I probably now know why my K2 ate batteries. I never suspected
> > > that
> > > > using the speaker could use so much more current than headphones.
> Don't
> > > > have a K2 any more so I can't measure the difference but I bet it is
> > > > significant. I did use the speaker when I was having problems with
> the
> > > low
> > > > battery life. I know, dumb, but I didn't know then what I know now,
> > > > education costs (Dr. Charles Adams, NorCal meeting August, 1993).
> Radios
> > > > with built in speakers have a high current overhead when you use that
> > > > speaker. There is no free lunch.
> > > >
> > > > In summary, I wish that rig manufacturers would use a different way of
> > > > specing current drain in receivers that was more real world like. I
> also
> > > > wish that if they have a speaker in the rig that they spec current
> drain
> > > > with headphones and with the speaker. My thanks to the guys who sent
> me
> > > > data, you are appreciated. I just wonder why only 6 out of 500
> > > responded??
> > > >
> > > > Jim Duffey is working on a test and equipment to do same to compare
> > > current
> > > > drain in rigs. He will do it at Arkiecon in April. Should be fun.
> > > >
> > > > 72, Doug, KI6DS
> > > >
> > > >
> > >
> > >
> > > Shop online without a credit card
> > > <http://www.rocketcash.com>
> > > RocketCash, a NetZero subsidiary
> >
> >
>
>
>
>

>Shop online without a credit card
><http://www.rocketcash.com>
>RocketCash, a NetZero subsidiary

Date: Fri, 19 Jan 2001 08:44:21 -0600
From: david gauding <david.gauding@bbs.galilei.com>
To: Macstein@aol.com
Subject: [89041] Re: Interesting...
Message-ID: <5.0.2.1.0.20010119083145.025bec10@bbs.galilei.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

GM Mac,

Nice to hear from you as always. Has been awhile since we visited on the air. I've been hanging out at the bottom of 40CW chasing DX with the St. Louis Express vertical. 40 countries in the log now and ten to go for half of DXCC/QRP! <g>

Walt is not a bad guy, just said something thoughtless, but I wasn't about to let it pass. Weiss has a problem with his self image. We all got a dose of that at Dayton in 1998 when he spoke at the QRP Dinner. It's just self-promotional stuff. Not much to be done about it unless I get really pissed. If I do it won't be real pretty.

Re your antenna, my recommendation is that you change the name to "The Gold Plated Dipole". Your antenna strength continues to amaze. In addition to our own contacts I regularly hear you in qso with others.

My first indoor doublet was like yours, simply marvelous. The condos we lived in afterwards could not duplicate such performance even with the exact same antenna. I worked WAS QRP x QRP with it and then DXCC/QRP on 40/30/20/15. But, the last ten or so were quite a battle! <g>

TTUL

Dave

Date: Fri, 19 Jan 2001 06:46:24 -0800
From: Phil Wheeler <w7ox@earthlink.net>
To: nf9k@eudoramail.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [89042] Re: K2 Building
Message-ID: <3A685340.9C3C9CAF@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Joel,

Y0u might want to check the Elecraft web site <http://www.elecraft.com> and the email reflector there. It has a list of hams willing to build a K2 for others, and the best info on build time can be found there, too.

I'd guess I spent 40 hours or so building mine 18 months ago. But I'm not sure what the impact of short building sessions would be, and I don't recall anyone saying they've done it that way. The K2 reflector is the best place to ask .. although many of the K2 folks will see your message at qrp-1.

73, Phil W70X

"Joel Kluender, NF9K" wrote:

>
> All,
>
> I'm contemplating buying and building a K2, but as the father of a 4 yr old, 2 yr old, and 2 month old, time in the shack is almost nonexistent these days.
>
> I think I could reliably find 1/2 hr per day early in the morning before I go to work if I commit to it. Based on the experience of you guys who have built it, how long would the project take at this daily rate?
>
> Alternatively, I might consider paying someone to build it for me. Any idea how much that might run? I've got plenty of projects in the fire so I don't feel I'd be "depriving" myself of anything if I let someone else do it.
>
> Just trying to evaluate my options...
>
> Joel NF9K
> ---
> Joel Kluender, NF9K
> 870 Prairie Street S.
> Shakopee, MN 55379

>
> Great is the Lord, and worthy of praise!
>
> Join 18 million Eudora users by signing up for a free Eudora Web-Mail account at
<http://www.eudoramail.com>

Date: Fri, 19 Jan 2001 09:48:51 -0500
From: w2xn@juno.com
To: qrp-1@Lehigh.EDU
Subject: [89043] Fw: Re: Barnes/ARRL Handbook
Message-ID: <20010119.095318.-789383.1.w2xn@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

>I've got a 1948 ARRL Handbook I bought new for \$2.00 in 1948. Do you
>think it's time to buy a new one, or are things pretty much the same in
>the new ones?
>Lee Bahr w0vt

I got one I bought in 1960 and paid \$3.50 for. Guess I should do like
Lee and buy a new one also.

Fred W2XN w2xn@arrl.net
ARRL, ARES, Skywarn #POL-007, V E;
QRP: AR #233, QRP-L #1728, NJ #197, Zombie #709, FP #126

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<http://dl.www.juno.com/get/tagj>.

Date: Fri, 19 Jan 2001 10:06:38 -0500
From: "Brian" <brian@iquest.net>
To: <w2xn@juno.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [89044] Re: Barnes/ARRL Handbook
Message-ID: <001701c08229\$6c806e00\$3d05080a@cincom.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'll give ya both \$5 for your dirty old, used, nasty, handbooks.

What say?

72

----- Original Message -----

From: <w2xn@juno.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Friday, January 19, 2001 9:48 AM

Subject: Fw: Re: Barnes/ARRL Handbook

>

> >I've got a 1948 ARRL Handbook I bought new for \$2.00 in 1948. Do you
> >think it's time to buy a new one, or are things pretty much the same in
> >the new ones?

> >Lee Bahr w0vt

>

>

> I got one I bought in 1960 and paid \$3.50 for. Guess I should do like
> Lee and buy a new one also.

>

> Fred W2XN w2xn@arrl.net

> ARRL, ARES, Skywarn #POL-007, V E;

> QRP: AR #233, QRP-L #1728, NJ #197, Zombie #709, FP #126

>

> -----
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>

Date: Fri, 19 Jan 2001 09:07:52 -0600

From: Bcieslak@ra.rockwell.com

To: qrp-1@Lehigh.EDU

Subject: [89045] Handbooks, Morality, Barnes

Message-ID: <0F6C3BEAFE.F3AB20A7-0N862569D9.00527C1A@ra.rockwell.com>

MIME-Version: 1.0

Content-type: text/plain; charset=us-ascii

This BN and handbook thing is an interesting test to see what moral fiber runs through the typical QRP-ler.

Will he sneak away with his booty, feeling he got away with something or will he walk away knowing that he is SURE the store gave him a good deal.

I would have at least asked the clerk if she was sure of the price (then buy 10 of them to sell on ebay). Ok I'm not perfect.

Brian AE9K

Date: Fri, 19 Jan 2001 10:12:59 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <n9k@eudoramail.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [89046] Re: K2 Building
Message-ID: <00f801c0822a\$54895ea0\$2101a8c0@insydesw.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I think it would take forever... There's a certain 'ramp up' time when you build a project like this, and it's at least 15 minutes just to sit down

and make SURE you're where you thought you were. ESPECIALLY if you have to put things away. If you don't have a LOCKED AND SECURED construction bench area, that will be MANDATORY!!!

I put in a couple of 4 to 6 hours stints on mine, and the rest were 1hr or less stints at lunch at work and I got done in maybe 35 hours with the NB and SSB. But I build VERY fast.

Some tricks....

First, go to WalMart and buy some of those soft rubber/plastic trays and keep mechanical parts ORGANIZED in them...

Second, SEPARATE PARTS!! DO NOT pull parts off of the tape, as the tape will have parts IN ORDER!!!

One thing I found as INVALUABLE is when you have envelopes of a single part, MARK that envelope with what those parts are and LEAVE them in the envelope.

For all the other parts, get some sheets of copy paper, and separate the parts into piles. Like a pile of .01 caps, then a pile of .02 caps, etc. Then MARK the paper with a BOLD pen what those parts are. I then use scotch tape and TAPE the parts in a 'strip' right above where I marked them. If you have your piles 'in order' on the paper, it will be VERY easy to find your parts. And stuff like trying to read

"832" in tiny tiny print on little blue caps that are only 3/32" wide is a pain. Do it all at ONE TIME with a magnifying glass and a good light.

I don't verify parts on the tape rolls except right when I'm about to insert them.

This should take a couple hours setting these up. But you won't BELIEVE how fast the construction can actually go if you use this method. Another variant is to go to a crafts shop and get some styrofoam square tiles, and 'stick' your parts in them by groups. But the key here is to have your parts PRE SORTED, SEPARATED, and LABELED! The paper trick is nice because I can lay a sheet of 1/8" thick foam over the paper with parts and stack them in a box to put the thing away easily. Kind of hard to do with styrofoam and parts 'standing up' sticking in it. I could transport everything to work each day, do about 45 minutes to an hour at lunch, then get another 2 hours at night when I took it home.

Some parts are going to be a REAL bear, like the inductors that look like resistors. In a lot of situations (I'm color blind) I had to 'match' what they were under a bright light and magnifier into groups. Then I could look and see counts and pretty much figure out what they were. I can see some colors, so I can match fairly well, and I can tell yellow from blue kind of deal, so I could figure them out, mostly. In the few cases where I couldn't, I took them to someone else and asked "What's the colors on this?" kind of thing.

Get a good meter to verify EVERY SINGLE PART as much as possible if there is ANY doubt in your mind. I personally verified EVERY SINGLE RESISTOR! This goes MUCH faster if you set your meter on the bench and clip to two nails bent over. Just hold the part against the nails and you get a quick reading.

Finally, FOLLOW DIRECTIONS, IN ORDER! If you have errata sheets, take an evening and go through them, WRITING A NOTE in the main book to the errata! This can be VERY IMPORTANT!

And when you start, ANY mechanical construction phase READ IT THROUGH, then read it through again, and finally, try to 'dry fit' fit it before you actually do it.

When you do HUGE amounts of resistors or caps, I found it easier to do one or two rows of the list in the book, solder, clip, and check them off in the book, then continue on. In some cases, if it's complex or jumps around, solder, clip, and check the book for EACH part. In other cases, you may do three or more rows before you solder, clip, and make the book. But STAY ORGANIZED!!

Oh, in the book they recomend ALWAYS orienting your parts in a consistant direction. Like having all caps readable from the left or the top. This is invaluable in finding a misplaced part, or even if you didn't, making sure you're correct. And it just looks a LOT more professional and neater when you get done.

Mike

> I'm contemplating buying and building a K2, but as the father of a 4 yr old, 2 yr old, and 2 month old, time in the shack is almost nonexistent these days.

>

> I think I could reliably find 1/2 hr per day early in the morning before I go to work if I commit to it. Based on the experience of you guys who have built it, how long would the project take at this daily rate?

>

> Alternatively, I might consider paying someone to build it for me. Any idea how much that might run? I've got plenty of projects in the fire so I don't feel I'd be "depriving" myself of anything if I let someone else do it.

>

> Just trying to evaluate my options...

>

> Joel NF9K

Date: Fri, 19 Jan 2001 09:12:57 -0600
From: Steve Yates - AA5TB <aa5tb@arrl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [89047] Re: Corrosion/Stranded Wire
Message-ID: <002501c0822a\$4f4f2c80\$60763ed8@aa5tb>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

Bill,

Well, I was going to mention how the kind of wire that you used is usually soft drawn and when construction a resonant antenna one needs to be aware that the antenna will stretch over time but in your photos the antennas already look VERY hard drawn :-)

73,
Steve Yates - AA5TB
Fort Worth, TX - EM12gs
aa5tb@arrl.net
<http://www.geocities.com/aa5tb>

----- Original Message -----

From: "blinn" <blinn@smgazette.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Thursday, January 18, 2001 10:40 PM
Subject: Re: Corrosion/Stranded Wire

"Years ago I scavenged a couple of burned lighting ballasts designed for those big lights that light up the football fields, etc. These things contained a lot of copper wire about size 18 or so. I finally used it all up last summer (after 20 years) making up a couple of portable dipoles for the QRP rigs. This wire is single strand (naturally, being a ballast winding) and has the typical varnish looking coating on it.

For a look at my antennas, which by the way, are generally "Invisible" (for good reason!)... hope you can make them out."

http://members.tripod.com/Bill_Linn/invisibleantenna.jpg

Bill

--

Date: Fri, 19 Jan 2001 10:23:11 -0500
From: Harris Keith E CONT CNIN <harris_k@crane.navy.mil>
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>
Subject: [89048] Re: Handbooks at B&N
Message-ID:
<4F76B3D4A76AD111803B00A0C9893D9C06ED8CC8@cninexchsrv05.crane.navy.mil>
MIME-Version: 1.0
Content-Type: text/plain

Gang,
Whatsamatta, you don't have enough frustration in your lives? Don't you know how hard it is to argue with a computer? These sales people are told to go by what the computer says, no ifs, ands or buts. If you want to pay full price, go to the ARRL and buy it. BTW, do you buy anything else on

sale? Do you question why it is on sale or if the company is losing money on it? I think that if you went to Sears and found a good sale price on a tool you wanted you wouldn't try to give them more money, or would you? If they're happy selling it at \$8.00 and you're happy buying it at \$8.00, why try make a problem out of it? Would you be so "moral" if it was a cook book? How about when you go to a hamfest flea market? Do you try to get the selling price down or up? Just my tuppence.

73 de N9KH

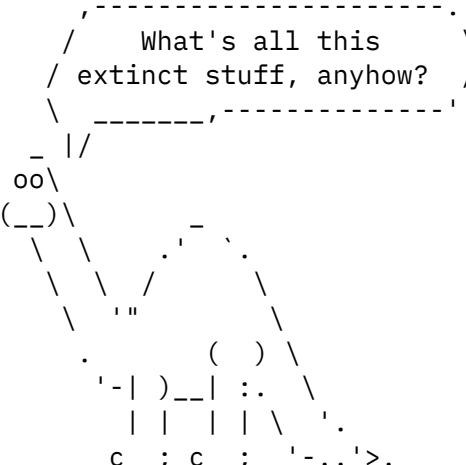
Date: Fri, 19 Jan 2001 08:26:20 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: Tayloe Dan <Dan.Tayloe@motorola.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [89049] Patents
Message-ID: <Pine.BSI.3.96.1010119082513.27838C-1000000@usr02.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Dan,

Have you heard yet about the status of your patent? I just had my second one issued on 9 Jan, and I'm expecting to have my other four issued this year.

Chris

What's all this
extinct stuff, anyhow?



High Performance Mixers and
Amplifiers for RF Communications

Chris Trask / N7ZWY
Principal Engineer
Sonoran Radio Research
P.O. Box 25240
Tempe, Arizona 85285-5240

IEEE Member #40274515

Email: ctrask@primenet.com
<http://www.primenet.com/~ctrask>

Graphics by Loek Frederiks

Date: Fri, 19 Jan 2001 09:32:35 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Jerry Scherkenbach <jerrys@execpc.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [89050] Re: FOX: Hunt#27 N9AW Prelim. Results
Message-ID: <Pine.LNX.3.95.1010119092047.9685A-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hello Jerry....just a comment on our exchange during the fox hunt...I was monitoring your signal using CWGet as well as my usual pair of ears...out of curiosity eh!?!...besides, I can't improve my copying by letting a computer program do it for me...hi hi...we did the exchange and while I'm listening to you, the corner of my eye catches the screen and CWGet is showing my call as KE5RC and AE5RC....so I was thinking I had to correct that...I become a little confused thinking that you had my call incorrect and so I chased you some more until you let me know all was well...so my lesson-learned was even my old ears are better than the Cw copying programs even though the programs have improved a lot...hi hi...CWGet showed your fast speed was 32 wpm and your slow-down speed was 27 wpm...many thanks for being the fox OM!

...72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -
"QRP! How sweet it is!" oo#148 "I am da man wit "DAH" paddle!"

Date: Fri, 19 Jan 2001 10:52:47 -0500 (EST)
From: "John L. Sielke" <w2agn@pobox.com>
To: K4IA@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [89051] Re: Handbooks, Morality, Barnes
Message-ID: <XFMail.010119105247.w2agn@pobox.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
MIME-Version: 1.0

Impossible, Micro\$oft wouldn't part with it!

On 19-Jan-01 K4IA@aol.com wrote:

I would rather
> pay full price and keep Mom and Pop in business than surf around trying to
> save a few bucks and deny them the sale.
>
> Otherwise, Walmart will take over the world.

| | | | <_ > | . | / _ > | \ | John L. Sielke w2agn@pobox.com w2agn@qsl.net
| | | | / / | | | <_/\ | | NJ Grid:FM29LN http://www.qsl.net/w2agn
|_/_/_/ <_> | _ | ' _ _ _ / | _ \ | NJ-QRP #57 QRP-L #884 QRP-ARCI ARQrp #86
EX-N4JS, W4MPC, W7JEF, K3HLU G-QRP #9544 NorCal CQC AKQRP QCWA FISTS #2781
SOC #390, fpQRP, ARLHS, 00TC, Elecraft K2 #00023 K1 #00146

Date: Fri, 19 Jan 2001 10:53:10 EST
From: Macstein@aol.com
To: brian@iquest.net, fpqrp-1@mpna.com, qrp-1@lehigh.edu
Subject: [89052] Re: [fpqrp] New Ham Radio Icon
Message-ID: <3c.645e6c4.2799bce6@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 1/19/2001 10:45:02 AM Eastern Standard Time,
brian@iquest.net writes:

> Mac AF4PS, is the newest Ham Radio Icon of the Flying Pigs. Today at about
> 10:30 AM EST he was the FIRST check in to the Handi Hams net....that had
> been on hiatus for the last three years. He worked Paul W8IRT, who was
> running 400 watts in Richmond VA. Mac of course was on the NC40A at a
> stormtrooperish 1.5 watts or so into his attic dipole.
>
> A tip of the Icon hat to Mac!

Oh Brian, I'm NOT WORTHY!!! I'M NOT WORTHY!!

However, Paul told me they have recently revised the net and are back on air now. I was trolling the upper 40 band and happend onto his FB sig and fist on 71185 - 7119! The HandiHam group has a web site: www.handiham.org Paul welcomed all checkins! I took the NC40a (my first rig, my first kit) of the shelf to warm it's inards... and this was my first QS0. Very cool.

72 es oo
-MAC-

AF4PS

Odessa, FL "Home of the Infamous Attic Dipole" and Stealth Loop

K2 #643, QRP-L #704, FISTS #5096, CC #754, NorCal #1998, Zombie #510,
ARCI #9843, AR QRP #257, HI QRP #83, Whiners #5, SOC #28,
West FL QRP, TARC, ARS #751, Flying Pig QRP #-51
and various other annual \$15 commitments.

Date: Fri, 19 Jan 2001 11:00:11 -0500
From: "Juan Ferrari" <puntrad@usa.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [89053] Polyvaricon caps.
Message-ID: <021101c08230\$e76486e0\$5e35f2d8@juan>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi All,

I'm looking to buy some capacitors as the ones used by the BLT. Could
somebody tell me how to locate them at Mouser's?

Tnx in advance.

73

Juan - KG4FSN

Date: Fri, 19 Jan 2001 11:03:51 -0500
From: ed.kwik@delphiauto.com
To: qrp-l@Lehigh.EDU
Subject: [89054] Comming of Age?
Message-ID: <052569D9.0058618F.00@usabhmg99.mail.delphiauto.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

Well no Fox for me last night but it was a good radio night for me. I worked a
V31 in Belize for my 100th DXCC contact. I also worked the Flying Pig Trouffle
and checked into the New England QRP Club Net. So just under three years on the

air I have come to a ham radio milestone. Did not do any DX chasing except for participating in a couple of DX contests late last year. I wanted to get to 100 before the year end but I missed by a couple of weeks.

Date: Fri, 19 Jan 2001 11:36:12 EST
From: N10DL@aol.com
To: qrp-l@lehigh.edu
Subject: [89055] [fpqrp] New Ham Radio Icon
Message-ID: <2b.fe7465f.2799c6fc@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Can I follow in Mac's footsteps....I am UNWORTHY....just ask my wife.
Aron
N10DL/qrp
bedford, NH
FPQRP#122

Date: Fri, 19 Jan 2001 16:48:55
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [89056] Q: Feel like an a**, paid \$24 for handbook.
Message-ID: <F21RLVbNDN4CxpAOAkK00003497@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Paul R. Valko (prvalko@oakland.edu) wrote:

>Just curious from a morality standpoint...

>Almost everyone expects to be reimbursed for an overcharge on a >computer
>error. If this turns out to be a computer undercharge by BN, will >you be
>willing to pay the regular price?

Hmmm this reminds me of an incident that happened while I was at university. Several weeks after the start of the semester ... and after all tuition was paid for that semester ... the university decided that it was going to raise tuition. Yes, this is not surprising. BUT ... it gets more interesting. The university elected to RETROACTIVELY raise tuition! Yes, you got that right. They wanted more money for the transaction that had already been concluded.

And we had to pay it (or hire an attorney).

[next time at B&N

Clerk: Hey bud! Remember that handbook you bought last week?

Ham: Yes. (stated curiously)

Clerk: Well we raised the price since then. You owe us \$27.49 more.

]

Brad

(I got my last Handbook free at the public library book giveaway - OK, so it was used and was 4 years old)

Get your FREE download of MSN Explorer at <http://explorer.msn.com>

Date: Fri, 19 Jan 2001 16:49:16 -0000
From: "DeniGm3skn" <deni@gm3skn.fsnet.co.uk>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [89057] Fw: [Elecraft] K2 Knobs
Message-ID: <00c901c08238\$01ec0b80\$5150883e@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: "DeniGm3skn" <deni@gm3skn.fsnet.co.uk>
To: "Tim ORourke" <TORourke@KaiserFT.com>
Sent: Friday, January 19, 2001 3:50 PM
Subject: Re: [Elecraft] K2 Knobs

> Hi Tim , great idea I hope it gets off the ground. I for one would very
much
> like a custom knob for my K2 and black anodised brass sounds great , (the

> black wont wear off will it?) I have no intention of fitting a 'Yaeuku'
knob
> on my radio but a custom knob would be just the business!!
>
> Good luck count me in....
>
> 73, Deni GM3SKN Shetland Islands UK
> K2 1188 Fists# 2817 ARS# 827
> _ _ _ _
>
>

Date: Fri, 19 Jan 2001 09:03:00 -0800
From: Jerry Parker <jparker@fix.net>
To: qrp-l@LeHigh.edu
Subject: [89058] The Manhattan Challenge, Jim Kortge's Part 12
Message-ID: <2.2.32.20010119170300.00e9fcd0@fix.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Subject: Jim Kortge's Part 12 of the Manhattan Challenge

Tireless in his efforts to show his version of the IOWA QRP 10

Jim Kortge now has his "Notes on building an IA QRP-11 Transceiver - Part 12"

Check it out

<http://www.fix.net/~jparker/norcal/iowa10/qrp10.htm>

Enjoy,,,72,,,Jerry...WA6OWR...k

Date: Fri, 19 Jan 2001 12:02:03 EST
From: N10DL@aol.com
To: qrp-l@lehigh.edu
Subject: [89059] fpqrp] Weekly Net
Message-ID: <ca.fab1862.2799cd0b@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Just show up Charles, You will have a ball and be very suprised how well you will do with any of us,.... at any speed. we all know how to QRS at the drop of a hat....Come on in, the DIT DIT is fine...

Aron

N10DL/qrp

Bedford, NH

FPQRP#122

Date: Fri, 19 Jan 2001 11:06:02 -0600
From: Mark R Milburn <kq0i@juno.com>
To: Macstein@aol.com
Cc: qrp-1@Lehigh.EDU
Subject: [89060] Re: [fpqrp] New Ham Radio Icon
Message-ID: <20010119.110700.-66619.0.KQ0I@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

When is this net held? Every Friday? Every day? Every weekday? I would like to check in when I have time.

72 Mark, KQ0I

On Fri, 19 Jan 2001 10:53:10 EST Macstein@aol.com writes:
> In a message dated 1/19/2001 10:45:02 AM Eastern Standard Time,
> brian@iquest.net writes:
>
> > Mac AF4PS, is the newest Ham Radio Icon of the Flying Pigs. Today
> at about
> > 10:30 AM EST he was the FIRST check in to the Handi Hams
> net....that had
> > been on hiatus for the last three years. He worked Paul W8IRT,
> who was
> > running 400 watts in Richmond VA. Mac of course was on the NC40A
> at a
> > stormtrooperish 1.5 watts or so into his attic dipole.
> >
> > A tip of the Icon hat to Mac!
>
> Oh Brian, I'm NOT WORTHY!!! I'M NOT WORTHY!!
>
> However, Paul told me they have recently revised the net and are
> back on air
> now. I was trolling the upper 40 band and happend onto his FB sig
> and fist

> on 71185 - 7119! The HandiHam group has a web site:
> www.handiham.org Paul
> welcomed all checkins! I took the NC40a (my first rig, my first
> kit) of the
> shelf to warm it's inards... and this was my first QSO. Very cool.
>
> 72 es oo
> -MAC-
> AF4PS
> Odessa, FL "Home of the Infamous Attic Dipole" and Stealth Loop
>
> K2 #643, QRP-L #704, FISTS #5096, CC #754, NorCal #1998, Zombie
> #510,
> ARCI #9843, AR QRP #257, HI QRP #83, Whiners #5, SOC #28,
> West FL QRP, TARC, ARS #751, Flying Pig QRP #-51
> and various other annual \$15 commitments.
>

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<http://dl.www.juno.com/get/tagj>.

Date: Fri, 19 Jan 2001 11:28:58 -0600
From: Vance Huntsinger <vhuntsinger@iwic.net>
To: nf9k@eudoramail.com, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [89061] Re: K2 Building
Message-ID: <4.2.0.58.20010119110944.009b9450@mail.iwic.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 08:30 AM 1/19/2001 -0600, Joel Kluender, NF9K wrote:

>Alternatively, I might consider paying someone to build it for me. Any
>idea how much that might run? I've got plenty of projects in the fire so I
>don't feel I'd be "depriving" myself of anything if I let someone else do it.

Could you squeeze another half hour of building in after the kids are in bed? I think you WOULD be depriving yourself of something; building the K2 will give you the confidence to add mods or, if need be, repair it. I built my K2 in approximately one hour sessions, and some days I did not work on it at all. I think I received the kit in May and had it (CW only) on the air in mid July. I then built the noise blanker and SSB options. I'm now working on the antenna tuner and also have the 160 m option ready to build. I have had little spare time lately, but I'm in no particular hurry. I realize that with little kids around, it's difficult. When my older son was

about 4, I was homebrewing a rig and he liked to watch. He learned the names of all the components and he, without my knowledge, proudly showed his grandpa that he could use wire cutters (chopped the leads off my VOM). We still laugh about that little incident, although I was a bit perturbed at the time.

Good luck and 73,

Vance-WA9YDJ
Libertyville, IL

Date: Fri, 19 Jan 2001 12:32:35 EST
From: N10DL@aol.com
To: res043pa@gte.net, qrp-1@lehigh.edu
Subject: [89062] Re: [fpqrp] RE: The net Thanks to all
Message-ID: <e4.fdc1226.2799d433@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

We EXPECT you to check into the NET and you just take as much time as you need to check into the NET. I think I can safely speak for all the PIGGIES to say we will go at whatever speed you want and will hang in there if you need the extra time. Looking forward to putting you in my log. I might even break out my key and give it a good workout....

See you Wednesday.

Aron
N10DL
Bedford, NH

Date: Fri, 19 Jan 2001 11:38:05 -0600
From: Lynn M Larson <green-beret@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [89063] Smk-1 Tuning
Message-ID: <20010119.113810.-92201.0.green-beret@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Like I said I'm new....

I know this is a basic question but... How do you transmit and receive on the same frequency with the smk-1

Lynn M Larson
KC5WUG

73's

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<http://dl.www.juno.com/get/tagj>.

Date: Fri, 19 Jan 2001 11:42:55 -0600
From: John Ragsdale <jr91901@navix.net>
To: qrp-1@lehigh.edu
Subject: [89064] Items for sale
Message-ID: <0uug6tod367o61caovn56ibchloqlgosi9@4ax.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

The BL0T is sold.

As for the SW20+, I neglected to mention that it is virtually brand new. =
Less
than five contacts have been made with it.

73

John N=D8NF

Date: Fri, 19 Jan 2001 12:54:26 EST
From: PDouglas12@aol.com
To: n5em@flash.net, qrp-1@lehigh.edu
Subject: [89065] 2N2/40 Certificates -- Last Call--extension until 4/1/01
Message-ID: <bd.af5c764.2799d952@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

Content-Transfer-Encoding: 7bit

I've had a request from my friend Ed Manuel to extend the certificate program a couple of months. He advised that he has a group project going to build 2N2/40 transceivers. I will try to keep the machine alive, and, as a hedge, I'll print out some blank certificates that could be filled in by hand. These won't be quite as elegant as the ones with the name and call printed into the certificate, but they'll be OK. I will keep going until either certificates run out, or the computer lays down and dies, whichever comes first. Keep working guys.

72,

Preston WJ2V

Date: Fri, 19 Jan 2001 12:58:12 -0500
From: "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
To: <puntrad@usa.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [89066] RE: Polyvaricon caps.
Message-ID: <GCECIJFJPOHMCKACOA0BIEPOCAAA.jakecart@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Juan -- KG4FSN:

I think Mouser stopped selling those polyvaricon caps.

Try Dave's Small Parts at <http://www.fix.net/~jparker/dans.html>

Ocean Electronics at: http://www.oselectronics.com/ose_p60.htm

(The caps are at): http://www.oselectronics.com/ose_p60.htm

or, EMTECH at: <http://emtech.steadynet.com/>

(the caps are listed on the order form at):
<http://emtech.steadynet.com/order.shtml>

I hope this info helps.

73,

Jake - N4UY
Vienna, VA

(Wash DC suburbs)

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of
Juan Ferrari
Sent: Friday, January 19, 2001 11:00 AM
To: Low Power Amateur Radio Discussion
Subject: Polyvaricon caps.

Hi All,

I'm looking to buy some capacitors as the ones used by the BLT. Could
somebody tell me how to locate them at Mouser's?

Tnx in advance.

73

Juan - KG4FSN

Date: Fri, 19 Jan 2001 12:59:57 -0500
From: "Ed Tanton" <n4xy@att.net>
To: "QRP-L Reflector" <qrp-l@Lehigh.EDU>
Cc: "CW Reflector" <cw@qth.net>
Subject: [89067] HA - CW Contest
Message-ID: <CKEGICNFDIMCEKEDCEHFCEHFFKAA.n4xy@att.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Copied from eHam <http://www.eham.net/calendar/details/725> ; NOT the QRP
Contest... but so what... still plenty of fun available. THIS weekend.

Hungarian DX Contest, CW only
Event Type: Contest
Description: Sunday 0000 - Sunday 2400 UTC (24 hours)

160m-10m (no WARC)

Single op, single band

Single op, all band
Multi op, single tx
Multi op, multi tx
SWL

RST + serial number, starting from 001.

Hungarian stations will send either a 2 letter
abbreviation for their county or their member
number in HADXC.

HA Counties:

HA1 - GY, VA, ZA HA2 - KO, VE
HA3 - BA, SO, TO HA4 - FE
HA5 - BP HA6 - HE, NG
HA7 - PE, SZ HA8 - BE, BN, CS
HA9 - BO HA0 - HA, SA

HA stations - 6p
DX-stations - 3p
Own continent - 0p

HA Counties and HADXC member
number on each band

Score= Points x Multipliers

Logs to:

HADXC
P.O.Box 79
H-7031 PAKS
HUNGARY

Starting Date: 01/21/01
Ending Date: 01/21/01

73 Ed Tanton N4XY <n4xy@arrl.net>

website: <http://www.n4xy.com>

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

Date: Fri, 19 Jan 2001 12:09:22 -0600
From: Jeffrey L Greer <wd4et@juno.com>
To: mikezabel@qwest.net
Cc: qrp-l@Lehigh.EDU
Subject: [89068] Re: 2001 ARRL Handbook
Message-ID: <20010119.123241.936.0.wd4et@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Hi Mike,

The ISBN number for the 2001 ARRL Handbook is: 0-87259-186-7

I purchased my \$8 copy at the Houston, TX B&N out by NASA. I asked the clerk if it was on sale. He said no. I wanted it anyway so proceeded with the purchase. It scanned at the \$8 price. He was surprised but accepted my money anyway.

Unfortunately, it was the last one of the shelf.

73, Jeff WD4ET

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<http://dl.www.juno.com/get/tagj>.

Date: Fri, 19 Jan 2001 12:30:18 -0600
From: Jeffrey L Greer <wd4et@juno.com>
To: nf9k@eudoramail.com
Cc: qrp-l@Lehigh.EDU
Subject: [89069] Re: K2 Building
Message-ID: <20010119.123241.936.1.wd4et@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Joel,

I have an early, post field test K2 SN 155. The receive performance is far better than the Yaesu sitting next to it. The engineering is incredible. It goes together well, and customer support is the best available. I am a meticulous and experienced builder. I am also 50 with poor eyesight. I had to use a 5X magnifying headset due to the eye problems. I'm sure I am considerably slower than other experienced builders. The base K2 required about 50 hours to construct. I have heard that the average is 25-30 hours.

I built the 160m/rec ant., SSB, ATU, and NB modules this past weekend. Again, the engineering expertise is evident. They integrated easily into the base rig and function very well. I invested roughly 12 hours in their construction. The SSB module required most of the time. The part count and density were higher than the rest of the rig. The small pencil that goes with my Weller temp controlled station was a big asset.

Just my 2 cents. Hope it helps.

Jeff WD4ET

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<http://dl.www.juno.com/get/tagj>.

Date: Fri, 19 Jan 2001 10:43:21 -0800 (PST)

From: Doug Bankston <dougbankston1@yahoo.com>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [89070] Ten Tec ARGO II F/S

Message-ID: <20010119184321.10737.qmail@web4303.mail.yahoo.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Can't believe I'm doing this but.... I'll be parting with my Ten Tec Argonaut II soon. Anybody interested? If so, pse e-mail me at w4idw@yahoo.com

73

Doug

Do You Yahoo!?

Get email at your own domain with Yahoo! Mail.

<http://personal.mail.yahoo.com/>

Date: Fri, 19 Jan 2001 14:03:14 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <nf9k@eudoramail.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [89071] Re: K2 Building, tools and tips
Message-ID: <005401c0824a\$879bcf60\$2101a8c0@insydesw.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Oh, and making SURE you have a GOOD soldering station is a given!!
No \$10 generic irons!! I used a Weller with a plated temperature
controlled tip at 700 degrees.

Other desirable and/or recommended tools and supplies would be:

GOOD quality solder.

A bottle of water to keep your new solder sponge damp! (I always
keep an old 'mustard' squeeze bottle on the bench next to the solder
station.)

A GOOD set (or multiples) of 'nippy cutters', the side flush cut things.

A couple of hemostats, different sizes.

Tweezers.

LONG THIN Needlenose, and make SURE they are in good shape.
The more 'delicate' the pliers, the more usefull they will probably
end up being.

X-Acto knife with a GOOD blade

BIC lighter (for burning the ends of the torriods wire after you wind
them, or you can just scrape, but I'd hold my torriod with a set of
'tissue clamp' hemostats and burn the ends, then scrape them. AND
check with an ohmeter as soon as it was soldered in. I think my second
torriod I got a bad connection so I was more careful after that, and
finished without any problems. Later on, some of the torroid
connections
will be 'connected' before the torroid is soldered in by other circuit
paths, so the meter trick won't work. But check early and all the time
to make sure you are using good soldering techinques.)

A good bench light! This will be VERY important

Handle type magnifying glass, very important too!

A 'component lead bender' This is a small block that looks like a long triangle with grooves in it. You use it to 'pre bend' resistors and other components to a specific spacing. This cost about a buck I think. Sounds simple and 'I won't need THAT!', but once you start using it, you really start liking it.

A yardstick! Or what I did is I marked the bottom of any page in my manual with a line and then inch ticks that had torroids to wind and it told you to cut the wire a certain length. Be surprised how fast this goes when you have the ruler always there and ready... Or, get a tape measure at a sewing shop, and tape it to the edge of your workbench...

Mike

Date: Fri, 19 Jan 2001 17:13:35 -0800
From: oxf01@maxmail.co.uk
To: qrp-l@lehigh.edu
Subject: [89072] Transceivers for Backpacking.
Message-ID: <3A68E63F.6759@maxmail.co.uk>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

Hi everyone,

When constructing a radio for backpacking purposes there are some additional constraints that have to be taken into consideration. Besides the weight the most important factor is probably the supply current drain from the batteries. I m compiling a reference list of ideas and techniques that people have developed to deal with these problems.

Please e-mail me (directly) with all your ideas that you ve used, no matter how simple, to reduce current drain without degrading performance too much. It could be that you found a particular chip that does the same job but with lower supply current, or you ve found a way of reducing that current drain in a particular circuit. It does not matter whether it s rf, audio or what have you. Another example is the commonly

used NE602/612 which has low supply current and easy to use but suffers from limitations as a mixer. Perhaps you've found ways to maximize its performance. And then we should not forget the transmit side either.

The above are just examples, it doesn't matter what part of the RX or TX circuit it is. I'd like to hear about any techniques you've found useful, from the ultra simple to more complex, to minimize current drain and improve performance. When I've got it all compiled I'll post a link to it here for all to use.

72/3

Pete, G4CJX

Date: Fri, 19 Jan 2001 13:53:07 -0600
From: "Joel Kluender, NF9K" <nf9k@eudoramail.com>
To: qrp-1@lehigh.edu
Subject: [89073] K-2 Building
Message-ID: <PJGHNBDGJPBHAAAA@shared1-mail.whowhere.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Language: en
Content-Transfer-Encoding: 7bit

All,

Thanks for the tons of input on the K2. I've decided to build it myself no matter how long it takes but I better get moving because I want to have it done by Field Day! (Maybe I can find 1 hr /day...)

Time to start selling other stuff to get the \$ for the K2 - and fast!

Joel NF9K

Joel Kluender, NF9K
870 Prairie Street S.
Shakopee, MN 55379

Great is the Lord, and worthy of praise!

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Date: Fri, 19 Jan 2001 14:59:47 -0500
From: w4du@bellsouth.net
To: qrp-1@Lehigh.EDU
Subject: [89074] Looking for N7JI
Message-ID: <200101191947.0AA27722@mail1.atl.bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Trying to contact Scott Rosenfeld, N7JI. Scott please respond to: w4du@arrl.net

Thanks,
Ken
W4DU

Date: Fri, 19 Jan 2001 14:08:37 -0600
From: "Joel Kluender, NF9K" <nf9k@eudoramail.com>
To: qrp-1@lehigh.edu
Subject: [89075] FS: OHR-400
Message-ID: <HJKFCAEPBNCHAAAAA@shared1-mail.whowhere.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Language: en
Content-Transfer-Encoding: 7bit

In order to add \$ to the K2 fund, I have for sale...

- *OHR-400 QRP Transceiver with manual
- *80, 40, 30 and 20 M coverage
- *Only mod is an OHR recommended cap change to enhance VFO stability.
- *With the mod, VFO stability is excellent!
- *Built and fully calibrated by myself, works great!
- *Cosmetically good. Some scratches on knobs which resulted from trying to remove the plastic film with hobby knife(a dumb move on my part!).
- *Knobs could be replaced for not much \$ if this bothers you.
- *I will fire up the rig this weekend to verify full functionality since I have not used it since field day. I don't expect any problems.

\$250 + actual postage by your method of choice.

Joel NF9K

--

Joel Kluender, NF9K
870 Prairie Street S.
Shakopee, MN 55379

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<http://www.eudoramail.com>

Date: Fri, 19 Jan 2001 15:10:54 EST
From: W2SH@aol.com
To: qrp-1@lehigh.edu
Subject: [89076] re: antenna wire comparisons
Message-ID: <ee.ff7cfe5.2799f94e@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Table 6 of N6LF's article in QEX shows the rf performance of 14 different kinds of wire (Litzendraht, or litz, wire was regrettably not included in the trials) at 1.8 MHz. The way the measurements were carried out was to wind the wire into identically sized coils and measure their Q, which is the inductive reactance at that frequency divided by the rf resistance at that frequency--and it is important to understand that rf resistance is a very different animal than dc resistance.

For the same size in conductor cross section and length, rf resistance is always more than the dc resistance, and the difference becomes greater as the rf frequency increases. Besides the reactive effect which results from the inductance inherent in the conductor when it is treated as a whole, other factors which cause the higher rf resistance are, capacitance effects (or, more precisely, dielectric loss) permeability and skin effect.

Skin effect is the tendency of the electrons to move more in the outer periphery of the conductor than in its core, and it is this non-uniformity of current flow within the conductor as a whole which is the principal factor causing an increase in the rf resistance of the overall conductor. This rf resistance may be slightly reduced by breaking the conductor into two parts--core and the outer periphery, or coating, and then ensuring that the coating has the proper thickness. Proper thickness is affected by the extent to which the size and composition of the core modifies the current flow within the coating. When the core is air and the coating is metal you have a tube. Or the core can be steel and the coating copper, i.e., copper clad steel wire. The maximal reduction in rf resistance occurs when the thickness

of the coating divided by the depth of current penetration equals about 1.5. Current penetration is defined as the depth at which the current has fallen to 37 percent of its surface value.

The improvement in rf resistance of a coating-and-core combination over a solid conductor isn't very great, and, unless you get the coating's dimensions right, you're just about as well off going with a solid conductor.

N6LF's Table 6 shows that at 1.8 MHz large solid wire is better than small solid wire in the case of high conductivity metals such as copper and aluminum. Solid steel wire is awful regardless of size, and here the cause is the permeability of a magnetic substance. Stranded wire is inferior to solid, and it becomes worse as, for the same wire gauge, the strands are made finer. Solid copper clad steel wire appears to be as good as solid copper, and at higher frequencies it can actually be better for the reason explained above. However, my experience has been that this is not true in impedance matching stubs, and presumably also along feedlines or in antenna wires when standing waves are present.

Only in the case of stranded wire can I agree with N6LF's statement that "oxidation of bare wire definitely reduces the Q." Indeed, the two examples of oxidized wire shown in Table 6 only treat stranded wires. I'm doubtful that a thin layer of copper oxide on a solid copper conductor is going to affect its rf performance much more than a layer of enamel or PVC insulation.

Possibly, with skin effect, electron movement becomes divided between the copper and an outer layer which is semi-conductive, and hence an increase in the overall rf resistance. However, I'm more inclined to believe that, with oxidation, the greater losses in stranded wire occur because the individual strands become imperfectly insulated from one another as a result of the oxidation, resulting in increased inductive reactance, as well as capacitive effects with consequent dielectric loss. In any event, having semi-conductive qualities in a stranded wire antenna system can produce rectification effects which then may cause nasties like noise and tvi.

Using stainless steel in mobile antennas reduces their radiating efficiency--no surprises there. Besides complaining about the commercial manufacturers who want you to buy their imperfect product, what can you do? How about getting yourself some 1/8" or 3/16" fiberglass rod, or fiberglass tubing of 1/4" or greater, diameter. Choose a diameter which suits the length of antenna you have in mind. 32-inch lengths are obtainable from kite stores like Into the Wind. 96-inch lengths are a standard commercial length, and some years back I used to buy these from a ham in Marietta, GA. Gently remove some untinned copper braid from a length of coax. Slip this over the fiberglass, and stretch it longitudinally to get a snug fit. After a couple of coats of marine varnish, put on heat shrink tubing and cure. Guess what? Home brew wins again! Yes, the braid from the coax is stranded wire, and that's an rf resistance no-no, but, hey, this baby's got to flex, and it's

been born to swing!

GL,

Charles, W2SH

Date: 19 Jan 2001 12:12:46 -0800
From: W2BJ <barry@minsky.org>
To: nf9k@eudoramail.com
Cc: qrp-1@Lehigh.EDU
Subject: [89077] Re: K-2 Building
Message-ID: <20010119201246.1521.cpmata@c001.snv.cp.net>
Content-Type: text/plain
Content-Disposition: inline
Mime-Version: 1.0

Hi Joel,

I must have missed your earlier post. I think you made a good decision. I had a wonderful time building my K2. I use it every day. Since then, I have built the K1. It is a great portable rig. Have fun.

On Fri, 19 January 2001, "Joel Kluender, NF9K" wrote:

>
> All,
>
> Thanks for the tons of input on the K2. I've decided to build it myself no
matter how long it takes but I better get moving because I want to have it done by
Field Day! (Maybe I can find 1 hr /day...)
>
> Time to start selling other stuff to get the \$ for the K2 - and fast!
>
> Joel NF9K
> ---
> Joel Kluender, NF9K
> 870 Prairie Street S.
> Shakopee, MN 55379
>
> Great is the Lord, and worthy of praise!
>
>
>
> Join 18 million Eudora users by signing up for a free Eudora Web-Mail account at
<http://www.eudoramail.com>

72/73,

Barry J. Minsky, W2BJ
ARRL, QRP ARCI #8871, NorCal #1560, QRP-L,
FISTS #2701, Century Club #569, Platinum #51,
Silver #119, FISTS CW Club of Coastal Georgia,
Knightlites, Adventure Radio Society #359, QCWA
#29298, OOTC #3723, SOC #193, K2 #577, K1
#98

Date: Fri, 19 Jan 2001 15:21:22 EST
From: Macstein@aol.com
To: qrp-l@lehigh.edu
Subject: [89078] Re: HandiHam Net was: [fpqrp] New Ham Radio Icon
Message-ID: <c3.d2633d3.2799fbc2@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

> When is this net held? Every Friday? Every day? Every weekday? I
> would like to check in when I have time.
> 72 Mark, KQ0I

I honestly didn't know Mark! I just happend onto it! He did give the their
web site: www.handiham.org. This info is there:

Tuesday & Friday 22UTC (5PM EST)
3712 kHz Friday 1530UTC (1030AM EST) 7112 kHz

-MAC-
AF4PS

Date: Fri, 19 Jan 2001 14:39:02 -0600
From: Gary Lee Phillips KA9NZI <ka9nzi@arrl.net>
To: qrp-l@Lehigh.EDU
Subject: [89079] Re: Barnes/ARRL Handbook
Message-ID: <3A68A5E6.CF20049B@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

How about this, Lee? I'll trade you a shiny almost new 2000 handbook
for that 1948 one, and pay the postage to boot. ;-))

I haven't rushed to Barnes & Noble myself. Nearest store is 21 miles
from home, and I do have a 2000 handbook. I usually buy a new one

every 3 or 4 years. They change, but not that much from one year to the next. The oldest I have is 1954 (missing some pages). My favorite is 1957.

-- Gary Phillips, Marengo, IL <mailto:ka9nzi@arrl.net>
KA9NZI, Seneca Twp., McHenry Co., IL Grid: EN52rg
QRP-L #2124 <http://www.qsl.net/ka9nzi/>

Date: Fri, 19 Jan 2001 14:55:18 -0600
From: "George, W5YR" <w5yr@att.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [89080] Re: Barnes/ARRL Handbook
Message-ID: <3A68A9B6.AA5A7B8E@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

FWIW, I just bought the 2001 Handbook at the Plano, TX B&N for \$8 plus tax.

A clerk first scanned the book and told me "\$32."

A few minutes later he came back and told me that it was on sale for \$8.

The cashier couldn't figure out what his computer was telling him since the cover price was clearly \$32. But he had no choice but to sell it for what the cash register computer said was the price.

They had three more copies on the Engineering shelf as of 10 AM this morning.

72/73, George W5YR - the Yellow Rose of Texas NETXQRP 6

Fairview, TX 30 mi NE Dallas in Collin county QRP-L 1373
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756 PRO #02121 (9/00) Kachina #91900556 (12/99) IC-765 (6/90)

Date: Fri, 19 Jan 2001 20:57:21 +0000
From: Euramcom <mel@euramcom.freemove.co.uk>
To: <w6toy@erols.com>
Cc: <qrp-l@lehigh.edu>
Subject: [89081] Re: "How to boost radio waves"
Message-ID: <E14Jj3F-0003KK-00.2001-01-19-21-26-30@mail2.svr.pol.co.uk>
Mime-Version: 1.0

Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

On Thu, 18 Jan 2001 17:33:58 -0500, w6toy@erols.com wrote:

>Dan,
>
>Golly, another new, old, invention! People must have thousands=
of
>magazines form the thirties to read and pick up on old ideas! =
Way
>back
>when there was a system called "Dual Diversity" which was
>manufactured
>by Hallicrafters. It made use of the fact that there is 3 dB or=

more
>difference between horizontal and vertical polarization. Guess=
what
>it
>did, it used them both and combined them in the receiver to
>'eliminate'
>signal fading! Read up on it...
>
>73

Hi gangue,

Jack Wilson, my "local" tv repair man has a Marconi
"Triple-Diversity" rxcvr in his workshop/cum/shack that uses this=

principle to try to eliminate fading in ships at sea. I would=
assume
some old salts will be able to tell us more about this, but the
manual suggests using a vertical aerial (it's a Marconi folks! so=

it's an AERIAL!), a horizontal wire aerial, and a sloper dipole=
from
the bow of the ship to the highest point of the mast. Oh, and the=

horizontal wire should be across the ship, the vertical is then=
at
right angles to it and the sloper is at right angles to the
horizontal.

I had thoughts at one time about building the R2 with one VFO and=

two
rx sections fed from two aerials, and then combining the two=
signals
at audio again. But it was one of those ideas - - - - -

Regards

mel

--72 and 73 de Mel Evans, e-mail mel@euramcom.freeseerve.co.uk

Mel Evans GM6JAG Edinburgh Scotland
Home of the last HW9

Visit <http://www.euramcom.freeseerve.co.uk> for
US Euro Ham Radio Equivalent Parts and info,
Add-a-Link page let's you add your own pages instantly

Date: Fri, 19 Jan 2001 21:24:12 -0000
From: "Tony Fishpool" <g4wif@btinternet.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [89082] Re: ARRL handbook 2001
Message-ID: <028301c0825e\$7a041b00\$cadf7ad5@p200>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Call me a tight fisted Brit, but if anyone should happen to trundle
into a B&N and is also going to Atlanticon or Arkiecon, then perhaps
they could get a copy for me if they are still \$8.

Kind regards
Tony - G4WIF

Date: Fri, 19 Jan 2001 16:49:57 -0500
From: "ZOOM" <kandRparker@sympatico.ca>

To: <w3fpr@arrl.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [89083] Re: Barnes & Noble Handbook Price
Message-ID: <002401c08261\$c46b9f80\$39cdfea9@einstein>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Buy one! Even at \$32 you can't go wrong. It's full of info and well written unlike many of my engineering books that cost in the hundreds!

Cheers,
Robert
VE3RPF

----- Original Message -----

From: Don Wilhelm <w3fpr@arrl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Thursday, January 18, 2001 2:52 PM
Subject: Barnes & Noble Handbook Price

> Folks,
>
> I am looking at my brand new 2001 ARRL Handbook that I got from Barnes and
> Noble this morning. It scanned at \$8 plus tax at the register - this was
at
> the Durham, NC store.
>
> On my way home, I had a thought - their 2001 calendars were on sale for
75%
> off. I would guess that someone wrote a program routine to look through
> their database and mark everything with 2001 in the title at 75% off.
>
> If that is the case, and you want a 'price-off' handbook, go to your
Barnes
> and Noble store quickly. I'm certain that if they have sold out and
> re-ordered, the new ones on the shelf will have the full price - but in
the
> meantime, if you are lucky, etc. (BTW - the one I bought was the last one
> on the shelf.
>
> 73 and happy hunting,
>
> Don Wilhelm -Chapel Hill, NC W3FPR home page:
> <http://www.w3fpr.webprovider.com>
> QRP-L # 485 K2 SN 0020 mailto: w3fpr@arrl.net
>

>

Date: Tue, 16 Jan 2001 12:58:45 -0600
From: Oscar A Hoyt <k5ubs@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [89084] Re: Handbooks, Morality, Barnes
Message-ID: <20010116.131158.-400703.0.k5ubs@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

re Kens responce,
Its called "free enterprise", "capitalaism", "free market", etc.
My XYL has had experience trying to convince a clerk that they are
charging too LITTLE for a product and usually causes a bigger hassel for
everyone involved.. If you think they are charging too little, mention it
once and go on.....
Competition, lower prices like lower taxes is good for all. The lower
prices at the "wal marts" helps all to get more from our earnings. More
left over to get another QRP thingy ...
My 2 pence

Oscar Hoyt, ham since '55, ARRL, QCWA, QRP-L 1733, ARCI, NORCAL, SOC
303 303

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<http://dl.www.juno.com/get/tagj>.

Date: Fri, 19 Jan 2001 16:47:08 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: bob baxter <rbaxter@cybertrails.com>
Cc: <qrp-1@lehigh.edu>
Subject: [89085] Re: Vertical Antenna
Message-ID: <Pine.LNX.4.31.0101191642020.819-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Bob, I'm making a very big differance in my vertical. I own a 23 foot
Airstream trailer that is a pretty much a good conductor so I'm going to

mount the vertical on the jack mount with U clamps and a wire to the aluminum nearest for ground. Also I have the 15 foot golf ball retriever above the coil and 6 feet below it. When it warms up I will measure it and let you call know how it works.

On Fri, 19 Jan 2001, bob baxter wrote:

> Karl, I'll give the flashing a try--the aluminum tape seems to be a bit
> flimsy and doesn't lay down too well. Haven't tried it in the wind yet
> to see how well the cpvc pipe holds up. I'm using a R/S flat nose
> (toothless?) alligator clip for the coil instead of the fuse holder. It
> isn't very strong but with a little bend on the end of the jaws it seems
> to grip the aluminum wire pretty well. Bob
>
>
> >
> >Hi Bob, yep it works and I found that flashing is better than the
> doubled
> >over aluminum tape. You can roll up flashing and it will lay out flat
> >later.
> >
> >Problem: The 1/2" plastic pipe that is both an insulator and a support
> >member fails the support test. I plan to stiffen that part that passes
> >through the coil somehow.
>
>
>
>

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

End of QRP-L Digest 2072

